USS Cyclone Fence

CYCLONE FENCE DIVISION

(American Steel and Wire Company)

CATALOG 107

AIA 14-K

UNITED STATES STEEL

Cyclone Fence Division has been making fence for almost fifty years. Cyclone is a subsidiary of United States Steel Corporation, and has all the technical resources and experience of United States Steel to draw on in addition to its own wide experience in meeting problems of fencing. Operating nationally, and with the manufacturing and scientific resources of the great United States Steel Corporation at its command, Cyclone Fence Division, because of its tremendous volume, can bring every justifiable economy to even the smallest fence requirement.

Cyclone—not a "type" of fence, but fence made exclusively by Cyclone Fence Division and identified by this trade-mark.

A definite, measurable standard of resistance to rust, corrosion and time protects purchasers of

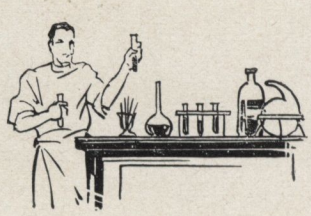
"Cyclone 12m" Fabric

In order to assure its customers the greatest possible protection against rust and corrosion, Cyclone Fence Division developed the now famous "Cyclone 12m" Fabric. This is regular Cyclone chain link fabric, woven first, then hot-dip galvanized by the Cyclone process which provides a coating of pure zinc on top of a zinc-iron alloy.

This uniform, extra-heavy coating of zinc on top of the zinc-iron alloy "bond" provides far greater resistance to rust and corrosion than ordinary galvanized wire.

"Cyclone 12m" Fabric will stand 12 or more one-minute immersions in a standard copper sulphate solution. The copper sulphate acts on the zinc just as outdoor conditions would act, only much faster. This test is known as the "Preece Test."

Look for this Cyclone "12m" Tag. It is your assurance of satisfaction.



"Cyclone 12m" Fabric will stand two or three times as many immersions as other kinds of fencing. So, in order that the public may be able to identify quickly this superior fencing, all "Cyclone 12m" Fabric bears the "12m" label shown above. Look for this tag. It is your assurance of outstanding quality in chain link fence.

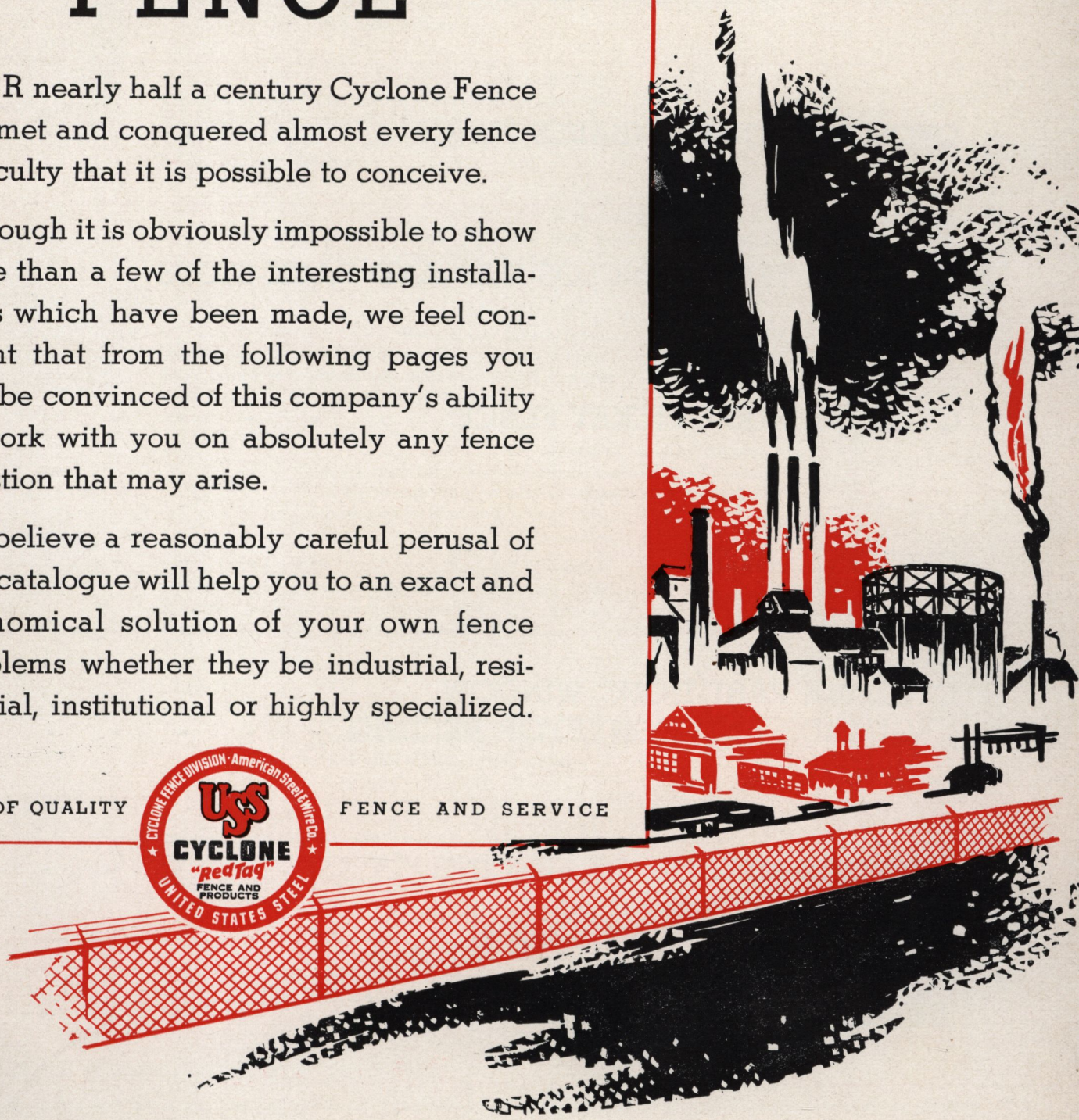
GENERAL CATALOG No. 107

CYCLONE FENCE

FOR nearly half a century Cyclone Fence has met and conquered almost every fence difficulty that it is possible to conceive.

Although it is obviously impossible to show more than a few of the interesting installations which have been made, we feel confident that from the following pages you will be convinced of this company's ability to work with you on absolutely any fence question that may arise.

We believe a reasonably careful perusal of this catalogue will help you to an exact and economical solution of your own fence problems whether they be industrial, residential, institutional or highly specialized.



THE MARK OF QUALITY FENCE AND SERVICE

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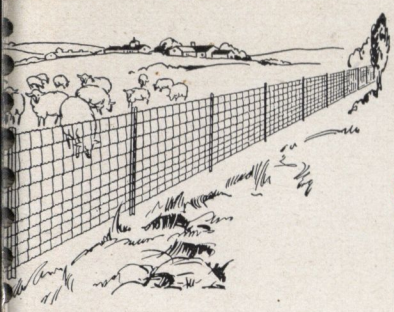
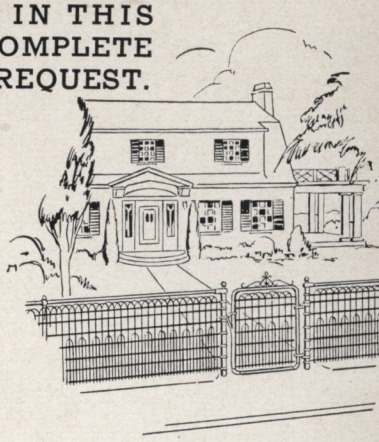
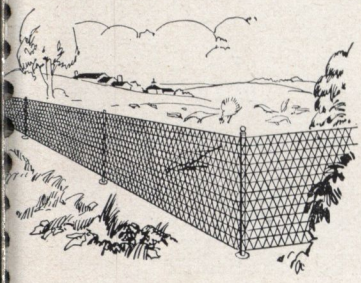
OTHER PRODUCTS MANUFACTURED BY CYCLONE FENCE DIVISION AND NOT SHOWN ELSEWHERE IN THIS CATALOG ARE BRIEFLY LISTED BELOW. COMPLETE INFORMATION WILL BE FURNISHED ON REQUEST.



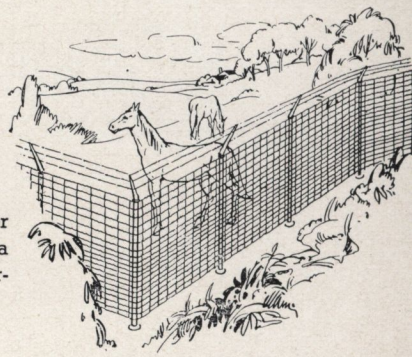
CYCLONE UTILITY FENCE is extremely popular for general farm use. Makes an excellent division fence on farm and estate. Posts are high carbon steel U-shaped. The fabric is made of heavily galvanized wire. Upright stays either 6 or 12 inches apart.

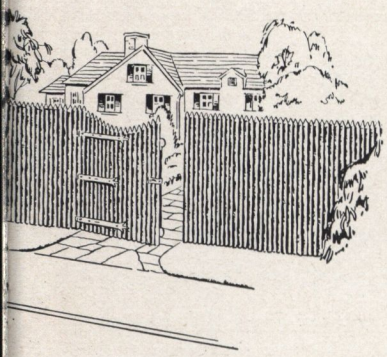




CYCLONE COLONIAL COMPLETE FENCE. A comparatively low priced fence for general residential purposes. Extra durability and attractiveness is afforded by Colonial Complete Fence because of the use of steel post and top rail construction.

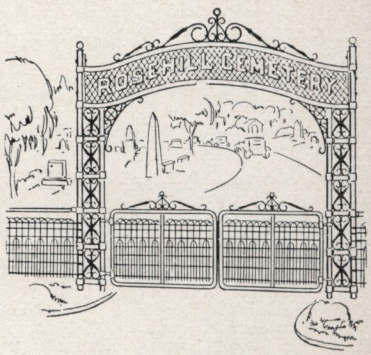
CYCLONE DIAMOND MESH FENCE is particularly adaptable for the larger estates where effective protection and small mesh is required at a minimum cost. Ideal "U" drive posts are used for lower heights, "H" column posts for the higher installations.





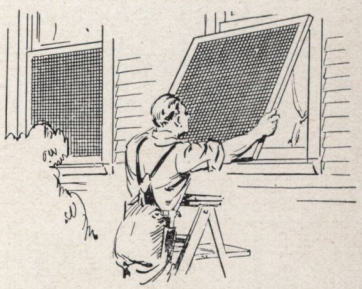
CYCLONE PARK FENCE is particularly adaptable for paddocks, game preserves, deer parks, etc. Provides a sturdy barrier when erected on "H" column posts. Furnished with or without barbed wire extensions.

CYCLONE CEDAR FENCE. Made in two general types, picket style and rail or hurdle style. The maximum in cedar fence beauty is combined with permanence and strength when Cyclone "H" column steel posts are used.



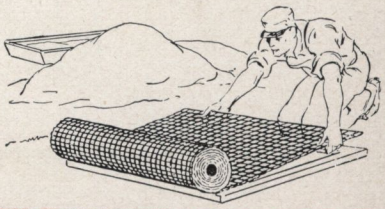
CYCLONE ARCHES for cemeteries, schools, colleges, farms, suburban homes and entrances of all kinds. Lettering of heavy sheet steel with silver, aluminum or gold-bronze finish may be furnished.

CYCLONE LITTER BASKETS are made in several standard specifications to keep streets, cemeteries, parks and other public grounds free of unsightly litter. Sturdily constructed, heavily reinforced to withstand abuse.



CYCLONE "RED TAG" WIRE SCREEN CLOTH furnished in standard widths and meshes. Finishes are galvanized and bronze. Cloth is provided with a protective coating of high grade lacquer.

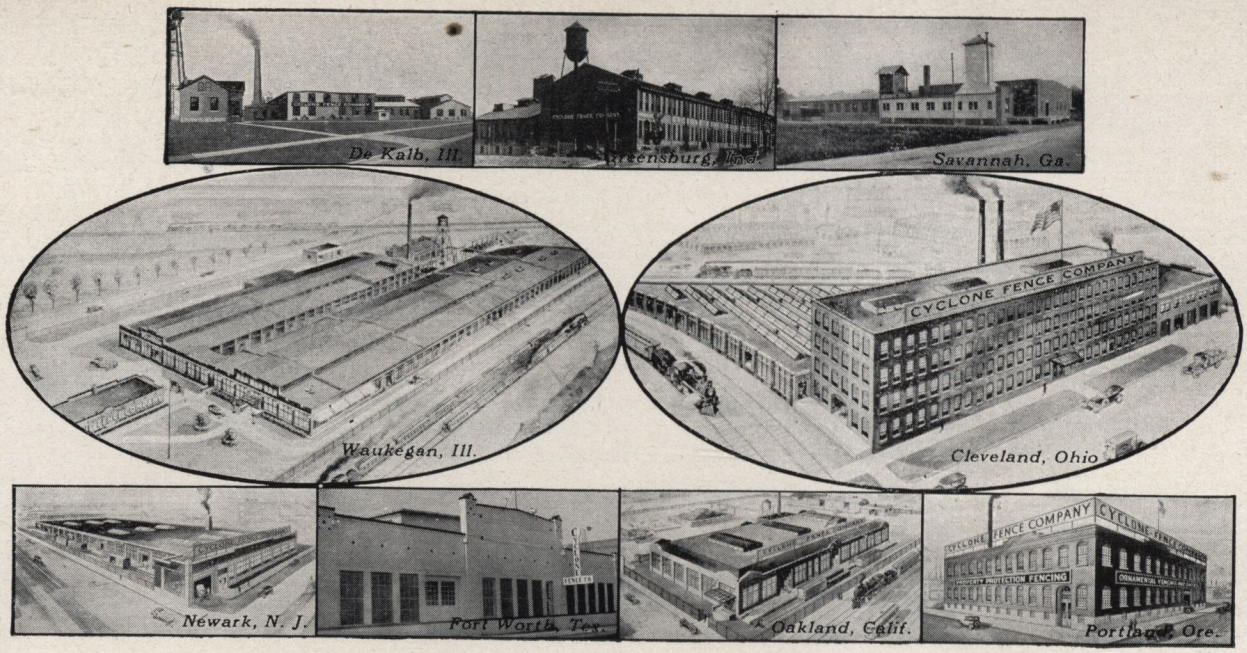
CYCLONE CATCH-ALL AND BURNER BASKETS have proved themselves to be of real value indoors and out. Ideal rubbish burners they are handy receptacles for materials of all kinds. Sturdily built to withstand abuse.



CYCLONE "RED TAG" HARDWARE CLOTH because of its additional strength, extra heavy coating and uniform weave finds innumerable uses. Available in standard widths and meshes.

COMPLETE RESPONSIBILITY IS OURS

From the time your order is placed, until your fence is installed, the Cyclone Fence Division assumes complete responsibility for every detail in the manufacture and installation of Cyclone Fence. Our engineers will make a preliminary study of your fencing requirements and submit recommendations and estimates of cost without obligating you in any way.



NINE MODERN FACTORIES, FOURTEEN FULLY STOCKED WAREHOUSES

THESE factories, with warehouses dotting the entire country, mean three important things to you. They assure you complete manufacturing facilities and immediate service. There is one within easy reach of our sales office in your locality.

Next, the large volume of fence which is being produced results in economies thus insuring you the highest quality of materials at no increase in cost.

And lastly, these huge busy producing units represent nearly half a century of steady growth. Because of this expansion in experience and facilities you are assured of the best workmanship and the complete and most economical solution to your fencing problems.

In addition to these strategically located service points there are many Cyclone sales and erection offices and hundreds of our special representatives ready to serve you.

CYCLONE WAREHOUSES

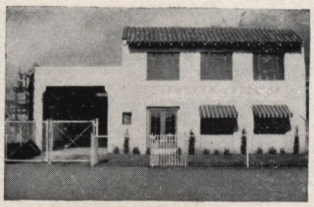
Detroit, Mich.

Los Angeles, Calif.

Mineola, L. I.

Pittsburgh, Pa.

Philadelphia, Pa.


San Francisco, Calif.

Seattle, Wash.

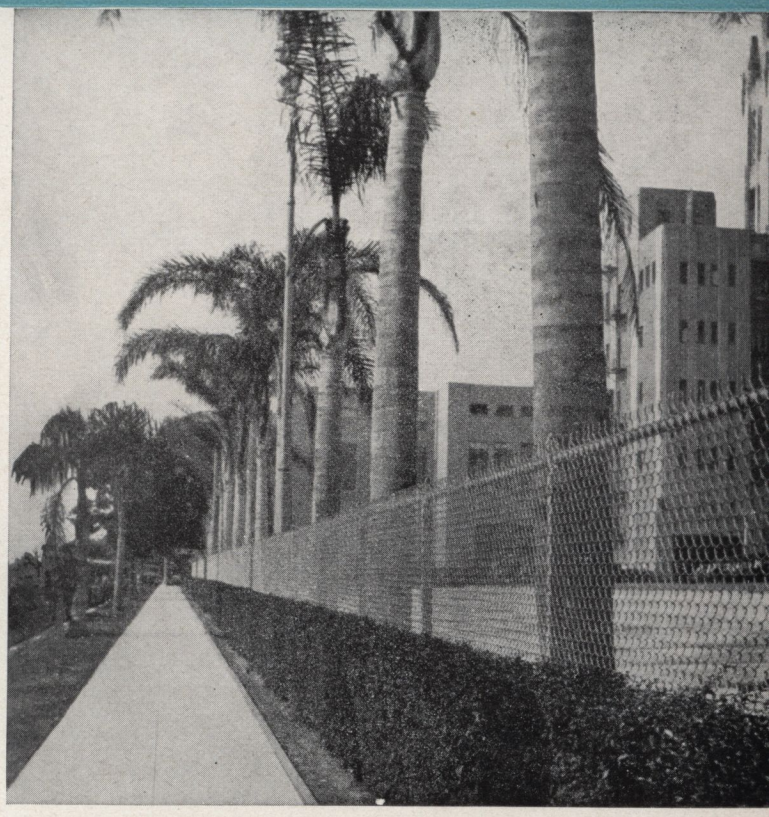
CYCLONE SAFEGUARD CHAIN-LINK FENCE

ALWAYS in keeping with the demands of good taste, Cyclone Safeguard Fence is especially adaptable for schools, suburban home and country estate boundry lines, but also proves both effective and decorative for industrial uses as well. It seems to actually blend with natural or planned landscapes and without interfering with vision, makes a barrier of steel which can be depended upon for a lifetime.

No human watchman can so successfully serve where children are concerned

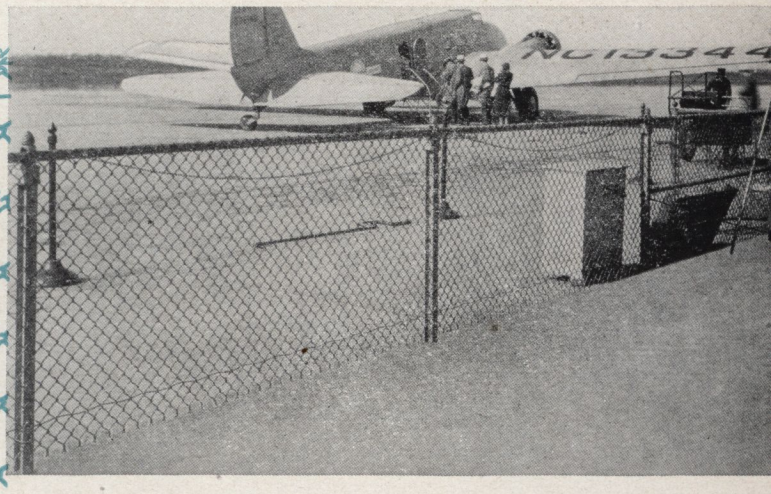
Built in standard heights up to and including ten feet. Walk and drive gates made to match fence. Special heights can also be furnished.

(*For specifications and details see pages 14, 46 and 47.*)



An Industrial Application of "Safeguard"

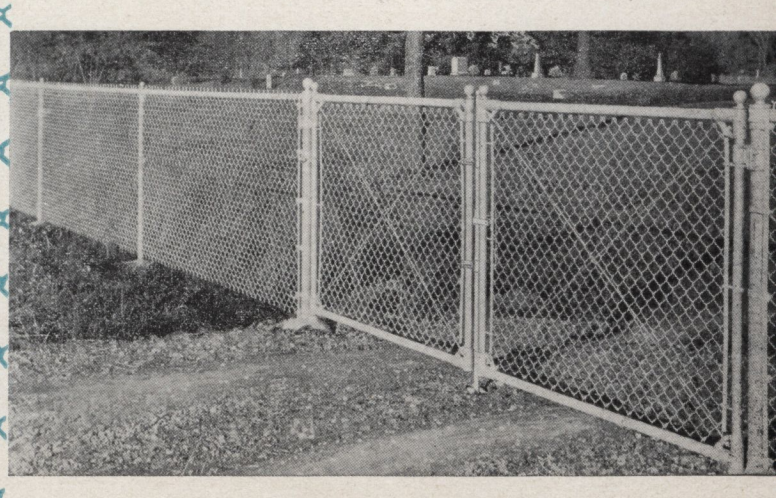
You must admit that this installation is impressive, it is reliable, efficient and safe and it also adds to the beauty of the property.



No Watchman Saves as Many lives as Cyclone Fence

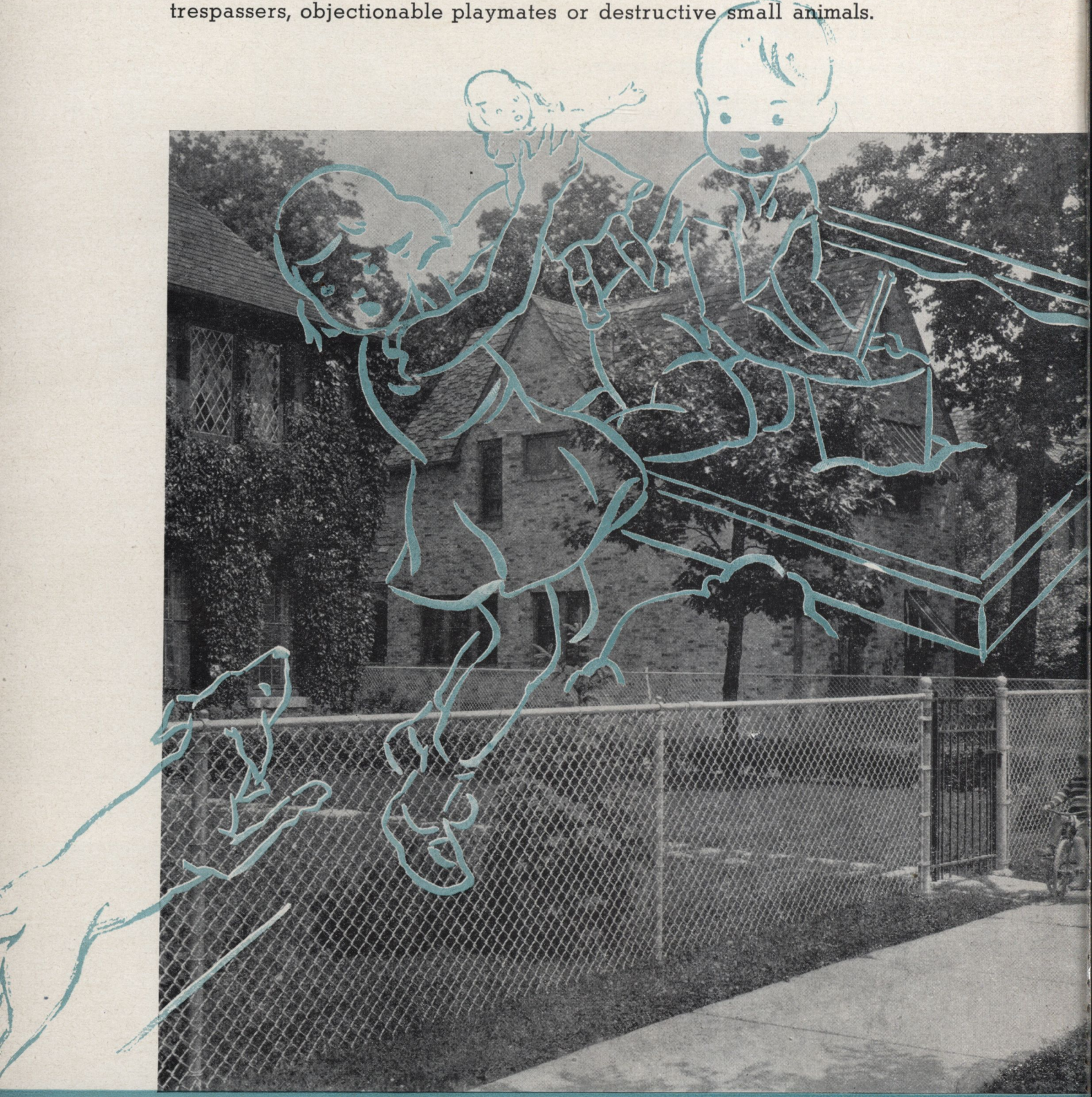
No personal damage suits grow from accidents to idlers and curiosity seekers when this fence is at work twenty-four hours a day.

The great beauty of a Cemetery is best protected by this impressive fence that allows a perfect view but insures against any vandalism.



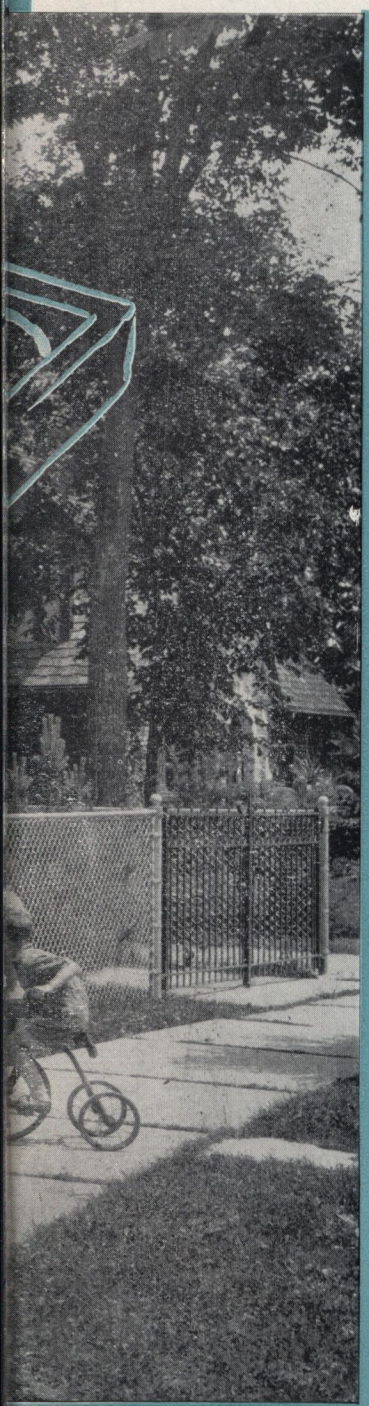
Dignified Cemetery Protection

YOUR children and their toys, your pets and your flowers are more secure; your friends and you yourself are all more comfortable when your lawn is made free from any unwelcome intrusion by malicious trespassers, objectionable playmates or destructive small animals.



CYCLONE "SAFEGUARD" FENCE

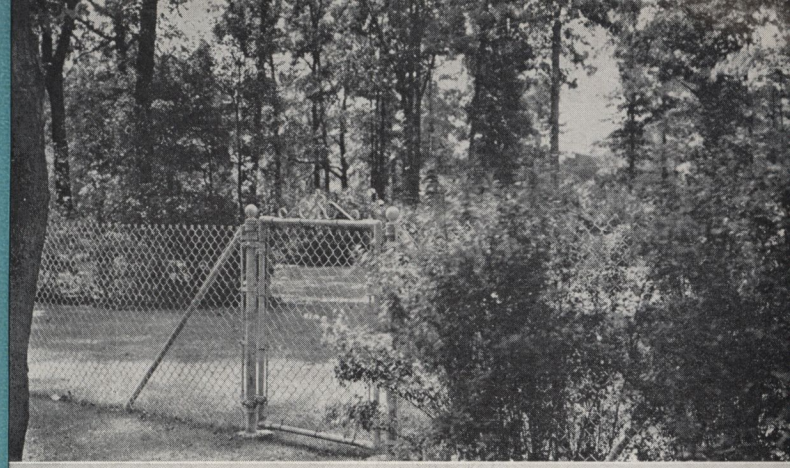
"Good fences make good neighbors" and when they are built and installed by Cyclone they in no way mar the landscaping of a community.

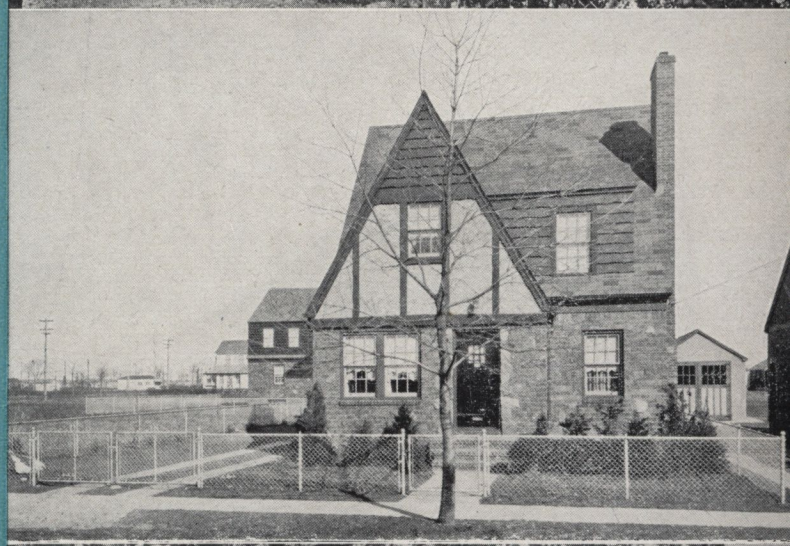


or specifications and details see pages 14, 46 and 47.)

Here is perfect harmony with quiet of a distinctly "home" neighborhood.

Note the pleasing appearance obtained when steel picket gates are used with Cyclone Safeguard Fence.

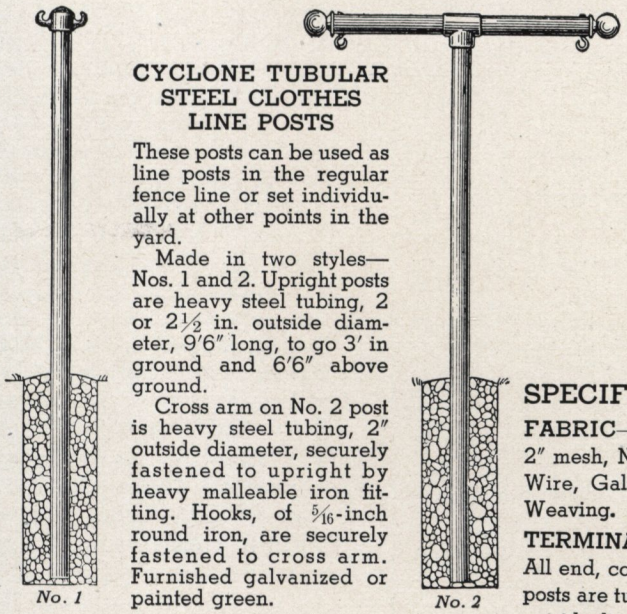




CYCLONE "IDEAL SAFEGUARD" FENCE

CYCLONE "Ideal Safeguard" Fence is especially adaptable where protection must be secured at low cost. Although it is somewhat lighter in weight than standard Safeguard it has been giving satisfactory service in many back yard and division fence installations. *For specifications and details see page 13.*

Specifications for Ideal Safeguard Fence as given below differ from standard Safeguard specifications and details which are shown on pages 14, 46 and 47.



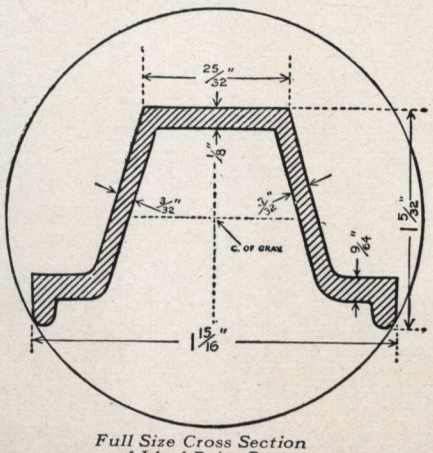
No. 1 No. 2

CYCLONE TUBULAR STEEL CLOTHES LINE POSTS

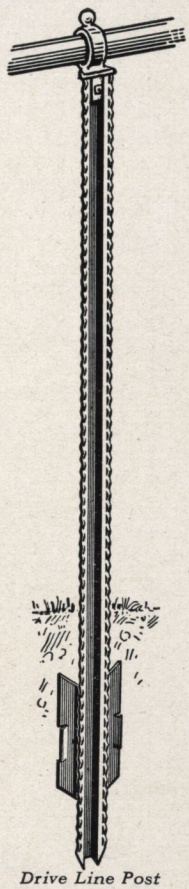
These posts can be used as line posts in the regular fence line or set individually at other points in the yard.

Made in two styles—Nos. 1 and 2. Upright posts are heavy steel tubing, 2 or 2½ in. outside diameter, 9'6" long, to go 3' in ground and 6'6" above ground.

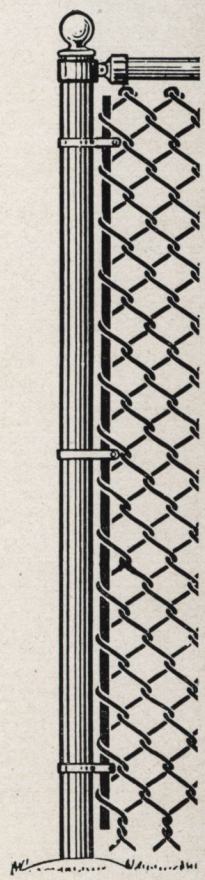
Cross arm on No. 2 post is heavy steel tubing, 2" outside diameter, securely fastened to upright by heavy malleable iron fitting. Hooks, of 5/16-inch round iron, are securely fastened to cross arm. Furnished galvanized or painted green.



Full Size Cross Section of Ideal Drive Post



Drive Line Post



End or Gate Post

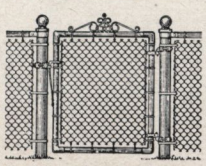
SPECIFICATIONS

FABRIC—Chain Link, 2" mesh, No. 11 Gauge Wire, Galvanized after Weaving.

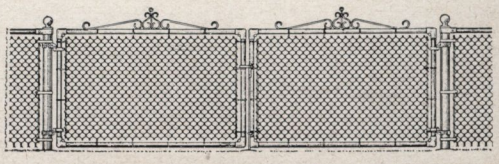
TERMINAL POSTS—All end, corner and gate posts are tubular steel 2" outside diameter, hot galvanized. All set in substantial concrete bases.

LINE POSTS—All intermediate posts are "Ideal," high carbon U shape and equipped with drive plates which hold posts firmly in ground, on 10 ft. centers. Line posts may be set in concrete if desired, at small additional charge.

TOP RAIL—Horizontal top rail is tubular steel, 1⅜" outside diameter, hot galvanized.



Single Walk Gate



Double Drive Gate

SPECIFICATIONS AND DETAILS

Cyclone SAFEGUARD Chain-Link

Built in Standard Heights from 3 ft. up to and including 10 ft.
Chain-Link Fabric is Full Height of Fence

FABRIC: "Galv-After" Chain-Link Heavily Zinc Coated (or Hot Galvanized) by Hot-Dip Process AFTER Weaving. No. 9 or No. 6 gauge wire woven in a 2-in. mesh. On heights 5 ft. and over both edges of fabric have twisted and barbed finish. On heights 4-ft. and lower one edge has twisted and barbed finish, the other has knuckled finish. On fences 4-ft. and lower standard construction is knuckled edge at top and dressed below top rail.

POSTS: Hot-Dip Galvanized.

LINE POSTS: 2.25 H Column Section for fence 6-ft. and over in height. Where fence is less than 6 ft. high, line posts are 1.875 H Column section. Note: 6 ft. high fence may be furnished with 1.875 section. Both sections have carbon content of .35%.

END, CORNER, ANGLE AND PULL POSTS: 3-in. O. D., weight 5.79 lbs. per lineal ft. where fence is 6-ft. and over in height. Where fence is less than 6-ft. in height, these posts are 2½-in. O. D., weight 3.65 lbs. per lineal ft.

Standard Swing Gate Post Specifications

Gate Frames	Opening of Gate	Gate Posts
1⅜″	Single to 4′ or Double to 8′ inclusive	2″ O. D.
1⅜″	Single over 4′ to 6′ or Double over 8′ to 12′ inclusive	2½″ O. D.
1⅜″	Single over 6′ to 8′ or Double over 12′ to 16′ inclusive	3″ O. D.
1⅝″	Single to 4′ or Double to 8′ inclusive	2½″ O. D.
1⅝″	Single over 4′ to 8′ or Double over 8′ to 16′ inclusive	3″ O. D.
1⅝″	Single over 8′ to 12′ or Double over 16′ to 24′ inclusive	4″ O. D.
2″	Single to 6′ or Double to 12′ inclusive	3″ O. D.
2″	Single over 6′ to 13′ or Double over 12′ to 26′ inclusive	4″ O. D.
2″	Single over 13′ to 18′ or Double over 26′ to 36′ inclusive	6⅝″ O. D.
2″	Single over 18′ or Double over 36′	8⅝″ O. D.

DEPTH OF POST: Line posts for fence 4-ft. or lower are set 24 in. in concrete base; terminal posts are set 30 inches in concrete base. In fence 5-ft. high and over all posts are set 36 inches in concrete base.

POST SETTINGS: Concrete bases for posts are of proper mixture, size and shape as determined by our Engineering Department, so as to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fencing of this character. A liberal factor of safety is provided.

POST TOPS: Hot-Dip Galvanized. All posts fitted with heavy ornamental tops. The base of top carries apron around outside to cap the post. When no top rail is used, line posts have sheared tops.

When fence 6-ft. and over in height is installed without top rail, H Column post have sheared top and no ornamental top is used.

TOP RAIL: Hot-Dip Galvanized. Tubular Steel 1⅝-in. O. D., weight 2.27 lbs. per lineal ft. or High Carbon 1½-in. x 1$\frac{5}{16}$-in. "H"-Column, weight 2.00 lbs. per lineal foot when fence is 5-ft. and over in height. When fence is 4-ft. or lower, top rail is 1⅜-in. O. D. or "U" section. Provided with expansion rail coupling. Top rail passes through post tops and forms a continuous brace from end to end of each stretch of fence. Top rail is securely fastened to end, gate and corner posts by pressed steel connections.

BRACES: Hot-Dip Galvanized. Horizontal braces furnished only for end, gate and corner posts when fence is six feet and over in height. Brace material same as top rail. Braces are spaced midway between top rail and ground and extend to the first line post. Braces are securely fastened to posts by pressed steel connections, then trussed from line post back to end, gate or corner post.

FITTINGS: Hot-Dip Galvanized. All fittings used in connection with Cyclone Safeguard fencing and gates are malleable, wrought iron or pressed steel.

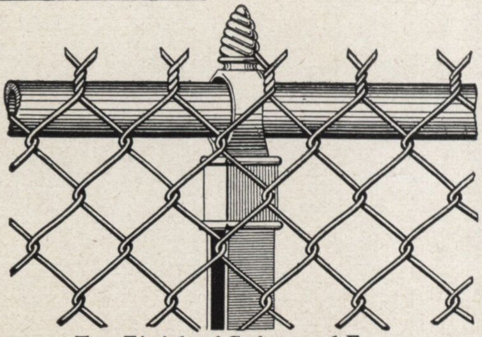
FABRIC BANDS: Fasten the fabric to line posts, spaced approximately 14 inches apart. Tie wires attach fabric to top rail, spaced approximately 24 inches apart.

FINISH: All materials entering into the construction of this fence are heavily galvanized.

SLIDE GATE POSTS: 4-in. O. D., weight 9.1 lbs. per lineal ft. are used for slide gates up to 30-ft. width.

SLIDE GATE POSTS: 6⅝-in. O. D., weight 18.97 lbs. per lineal ft. are used for all slide gates wider than 30-ft. opening.

POST SPACING: Posts are spaced in line of fence not farther apart than 10-ft. centers.



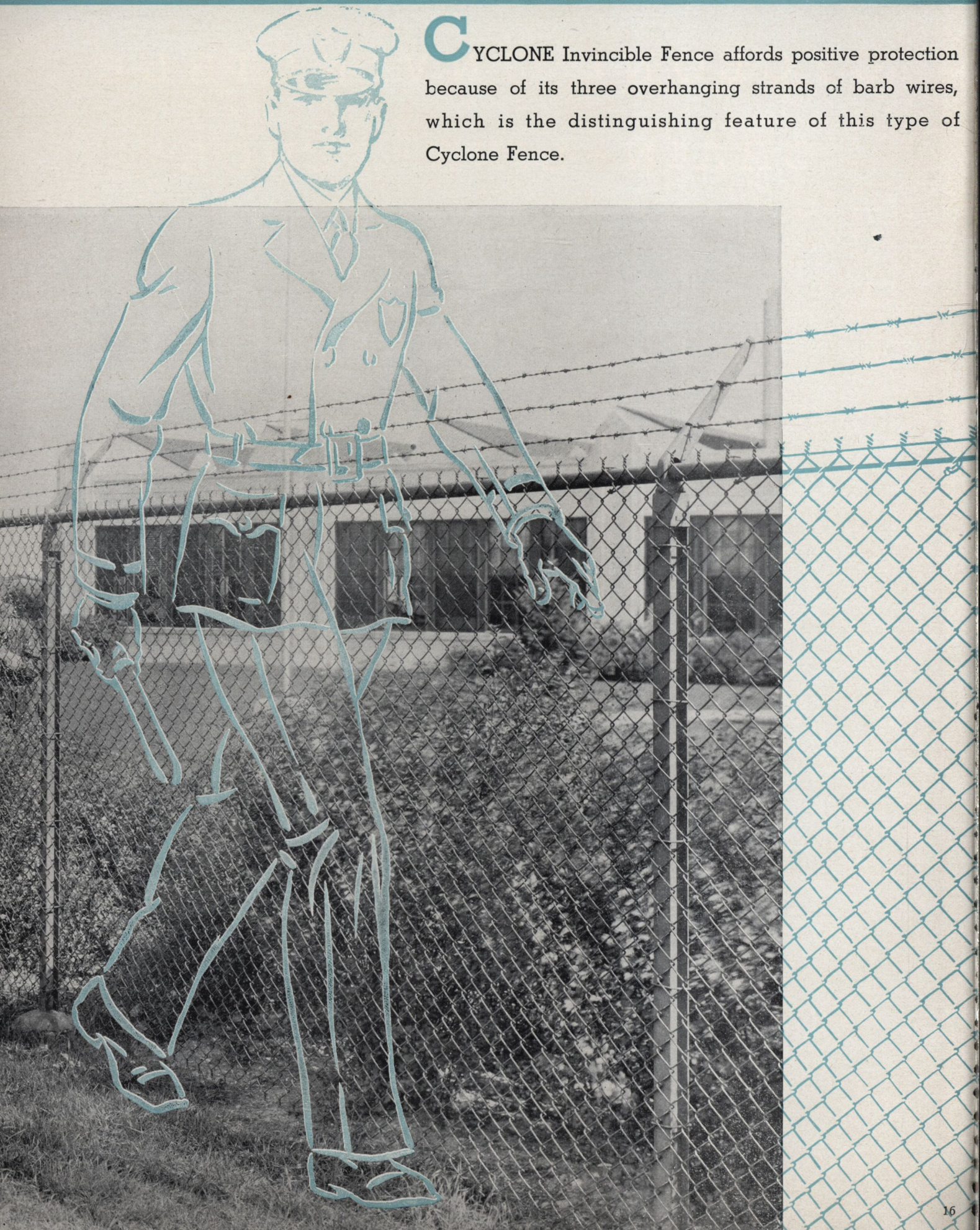
Top Finish of Safeguard Fence

DIAGRAM, PRICES, ETC.: When writing for information, prices, etc., send simple diagram or layout of proposed fencing as explained on page 48. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus "O". State whether single or double swing, or sliding gates are wanted and give size of opening.

"CYCLONE INVINCIBLE CHAIN-LINK FENCE"

CYCLONE "INVINCIBLE" FENCE

CYCLONE Invincible Fence affords positive protection because of its three overhanging strands of barb wires, which is the distinguishing feature of this type of Cyclone Fence.

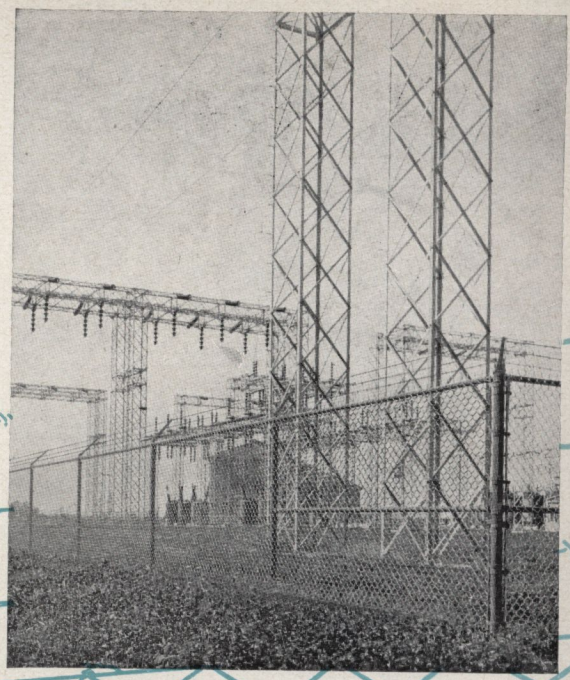


Particularly adaptable for industrial use, it is also ideal for athletic fields, waterworks, sewage plants and other municipal properties. Standard height 7 feet. Furnished in any height up to 12 feet.

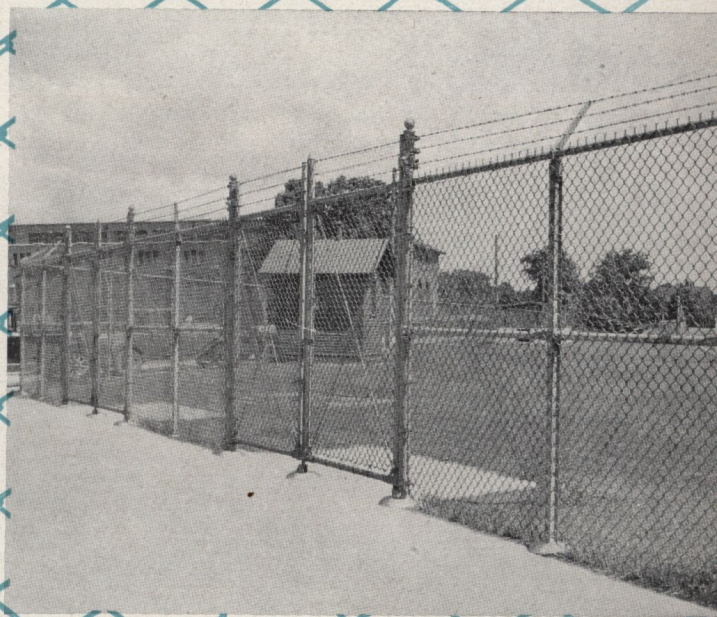
When it becomes imperative that entrance to property be positively controlled at a comparatively low cost it is well to consider carefully Cyclone Invincible Fence. This type of fence developed by Cyclone has become a standard by which property protection is measured.

The effectiveness of Invincible Fence is due in a large part to the hazards presented the intruder by the three strands of barbed wire strung on the sturdy extension arms which are placed at a 45° angle to the vertical fence line. Hardened criminals might be able to enter the property at some point but would not do so because of the impossibility of escape over the fence. Escape is more important to a marauder than entrance.

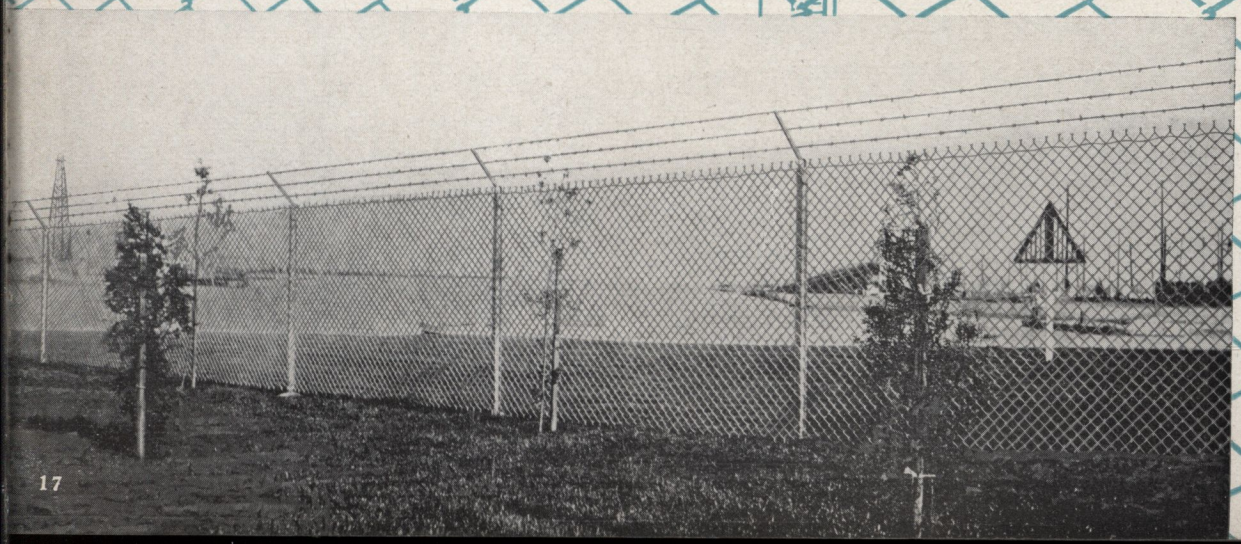
(For specifications and details see pages 20, 46 and 47.)



It is as important in some industries to keep people at a safe distance for their own sakes as it is to protect equipment from danger.



A strong wall needs a strong gate if it is to be effective.



Miles and miles of Cyclone Invincible Fence protect property owners interests all over the United States.

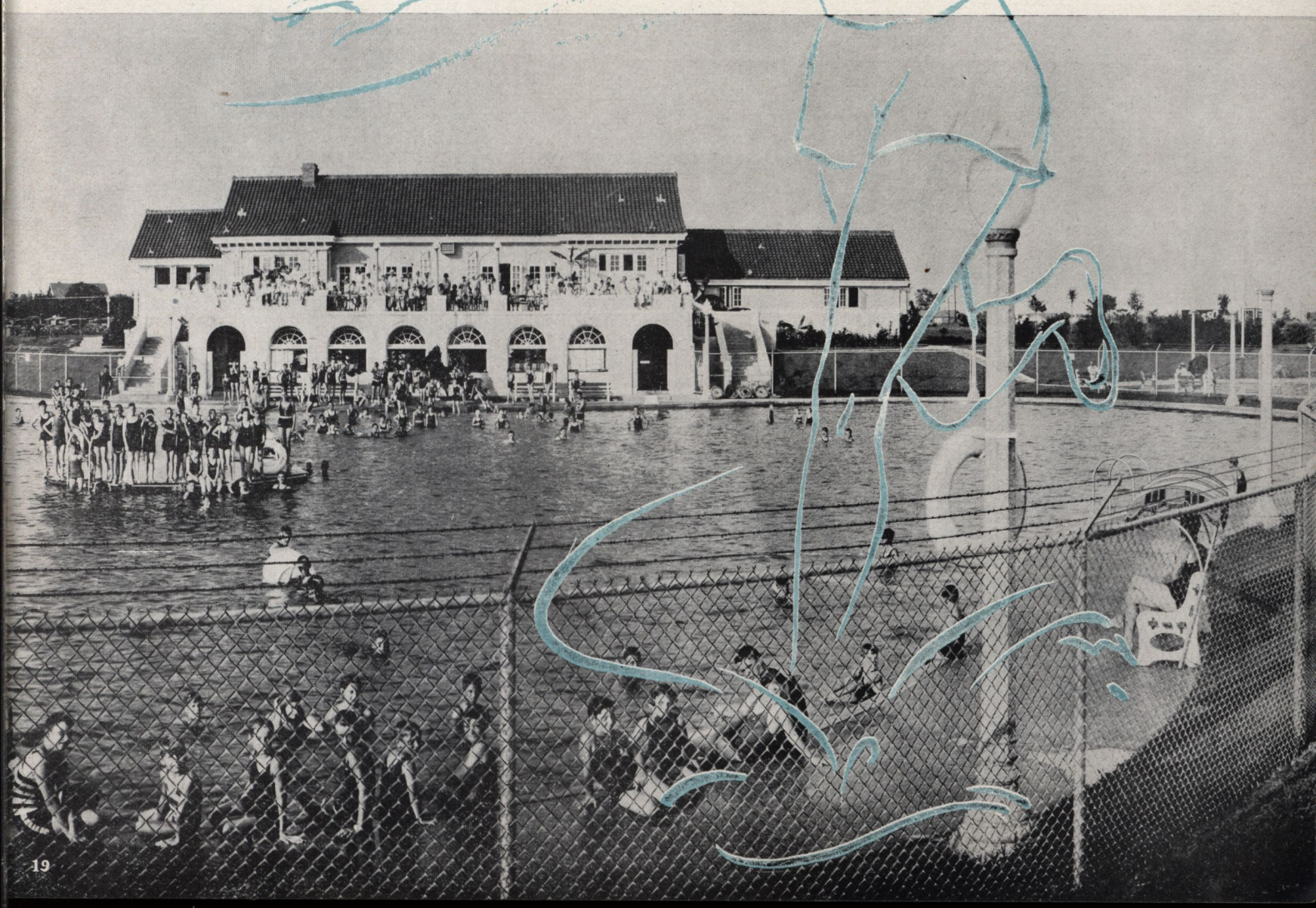
Absolute control of entrance and exit is obtainable by erecting Cyclone "Invincible" fence.

RESERVING the right to determine who shall enter its property is not only a privilege but a necessity of industry. Protecting workers from outside influence and outsiders from the dangers which may be encountered on private property is a job for which Cyclone Invincible Fence is ideally adapted.

"INVINCIBLE" FENCE

"Gate crashers" are politely but effectively stopped by "Invincible" fence. This type of Cyclone Fence has been effectively used for years by school officials for enclosing athletic fields; by private enterprises for insuring **paid** attendance at race tracks, baseball and football fields and other outdoor sports arenas; by municipal and state officials for enclosing fair grounds, swimming pools and other municipal properties.

(*For specifications and details see pages 20, 46 and 47.*)



SPECIFICATIONS AND DETAILS

Cyclone INVINCIBLE Fence

FABRIC: "Galv-After" Chain-Link. Heavily Zinc Coated (or Hot Galvanized) by Hot-Dip Process AFTER Weaving. No. 9 or No. 6 gauge wire, woven in a 2-inch Chain-Link diamond mesh. Top and bottom selvages to have twisted and barbed finish. Barbing to be done by cutting wire on bias, thus creating sharp points.

TENSILE STRENGTH TEST: Wire pickets of which this fabric is made to stand a tensile strength test of 70,000 pounds per square inch based on the cross sectional area of the galvanized wire.

GALVANIZING TEST: Wire fabric to stand six one minute immersions under the Preece Copper Sulphate Method of testing for uniformity and weight of coating. Test to be made on a section of wire picket at least four inches in length so as to include at least one bend and at least one straight side of the formed link in the test.

LINE POSTS: 2.25 H Column Section. Carbon content .35%.

TERMINAL POSTS: Hot-Dip Galvanized; standard full weight tubular Steel.

END, CORNER, ANGLE AND PULL POSTS: 3-inch O.D. weight 5.79 lbs. per lineal ft.

SWING GATE POSTS: 3-in. O.D., weight 5.79 lbs. per lineal ft. are used for single swing gates up to and including 6-ft. opening and for double swing gates up to and including 12-ft. opening.

SWING GATE POSTS: 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for single swing gates wider than 6 ft. and up to and including 13-ft. opening; also for double swing gates wider than 12-ft. opening and up to and including 26-ft. opening.

SWING GATE POSTS: 6⅝ in. O.D., weight 18.97 lbs. per lineal ft. are used for single swing gates wider than 13-ft. and up to and including 18-ft. opening; also for double swing gates wider than 26-ft. opening and up to and including 36-ft. opening.

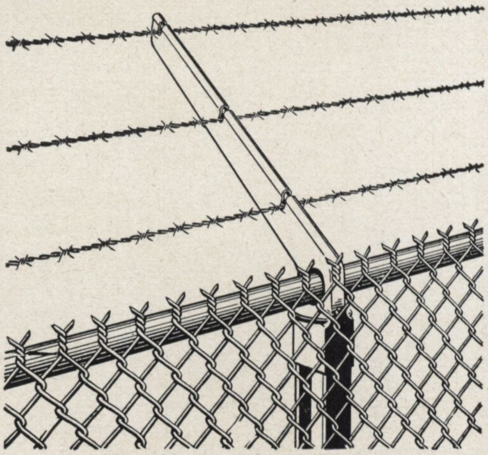
SWING GATE POSTS: 8⅝ in. O.D., weight 24.7 lbs. per lineal ft. are used for single swing gates wider than 18-ft. opening and for all double swing gates wider than 36-ft. opening.

SLIDE GATE POSTS: 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for slide gates up to 30-ft. opening.

SLIDE GATE POSTS: 6⅝-in. O.D., weight 18.97 lbs. per lineal ft. are used for all slide gates over 30-ft. opening.

POST SPACING: Posts are spaced in line of fence not farther apart than 10-ft. centers.

POST SETTING: All posts are set 36 inches in concrete base of proper size and shape as determined by our Engineering Department, so as to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fence of this character. A liberal factor of safety is provided.



Top Finish of Invincible Fence

EXTENSION ARMS: Hot-Dip Galvanized. All intermediate posts fitted with Cyclone Invincible Extension Arms, made of pressed steel. All end and corner posts are fitted with heavy malleable iron Arms. Each Arm carries three barbed wires securely fastened. Topmost barbed wire 12 inches above the fabric and 12 inches in or out from the fence line as desired, and at an angle of 45 degrees. Vertical Arms can also be furnished, if desired.

TOP RAIL: Hot-Dip Galvanized. Tubular Steel, 1⅝-in O.D., weight 2.27 lbs. per lineal ft. or High Carbon 1½-in. x 1 5/16-in. "H"-Column, weight 2.00 lbs. per lineal ft. Provided with sleeve rail couplings. Top rail passes through base of post top and forms a continuous brace from end to end of each stretch of fence. Top rail is securely fastened to end, gate and corner posts by pressed steel connections.

BRACES: Hot-Dip Galvanized. Horizontal braces furnished only for end, gate and corner posts when fence is six feet and over in height. Brace material same as top rail. Braces are spaced midway between top rail and ground and extend to the first line post. Braces are securely fastened to posts by pressed steel connections, then trussed from line post back to end, gate or corner post.

FITTINGS: Hot-Dip Galvanized. All Fittings used in connection with Cyclone Invincible fencing and gates are malleable, wrought iron or pressed steel.

BARBED WIRE: 3 strands Galvanized Wire. Of four point pattern, composed of two strands of No. 12½ gauge Wire.

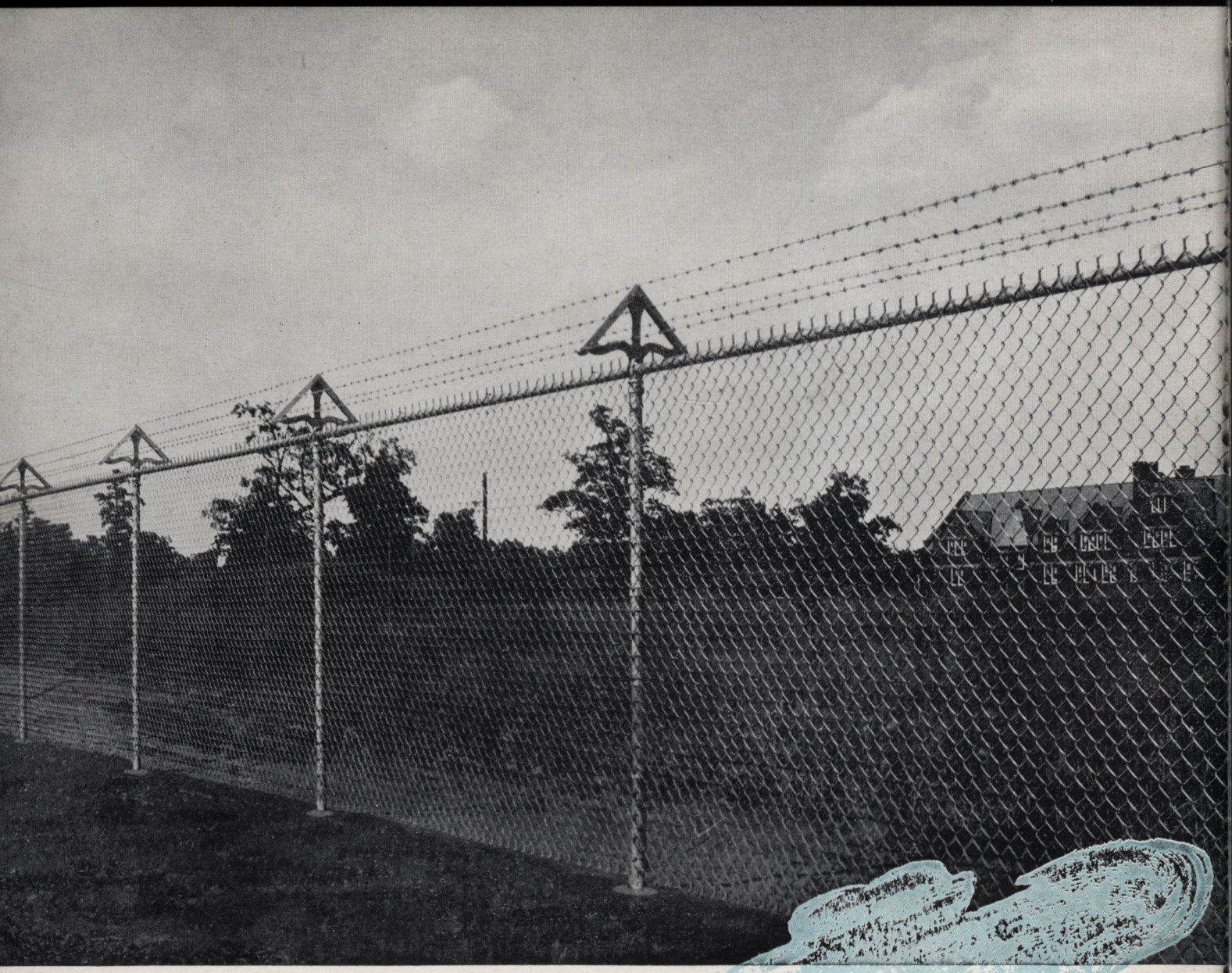
FABRIC BANDS: Fasten the fabric to line posts, approximately 14 inches apart. Tie wires attach fabric to top rail, spaced approximately 24 inches apart.

GATES: Frames made of 2-in. O.D., Hot-Dip Galvanized Tubular Steel, weight 2.72 lbs. per lineal ft. Corner fittings heavy malleable castings. Fabric same as in fence. Complete with pivot type hinges, catch, stops and center rest.

FINISH: All materials entering into the construction of this fence, are heavily galvanized.

DIAGRAM, PRICES, ETC.: When writing for information, prices, etc., send simple diagram or layout of proposed fencing as explained on page 48. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus "O". State whether single or double swing, or sliding gates are wanted and give size of opening.

"CYCLONE NON-CLIMBABLE CHAIN-LINK FENCE"



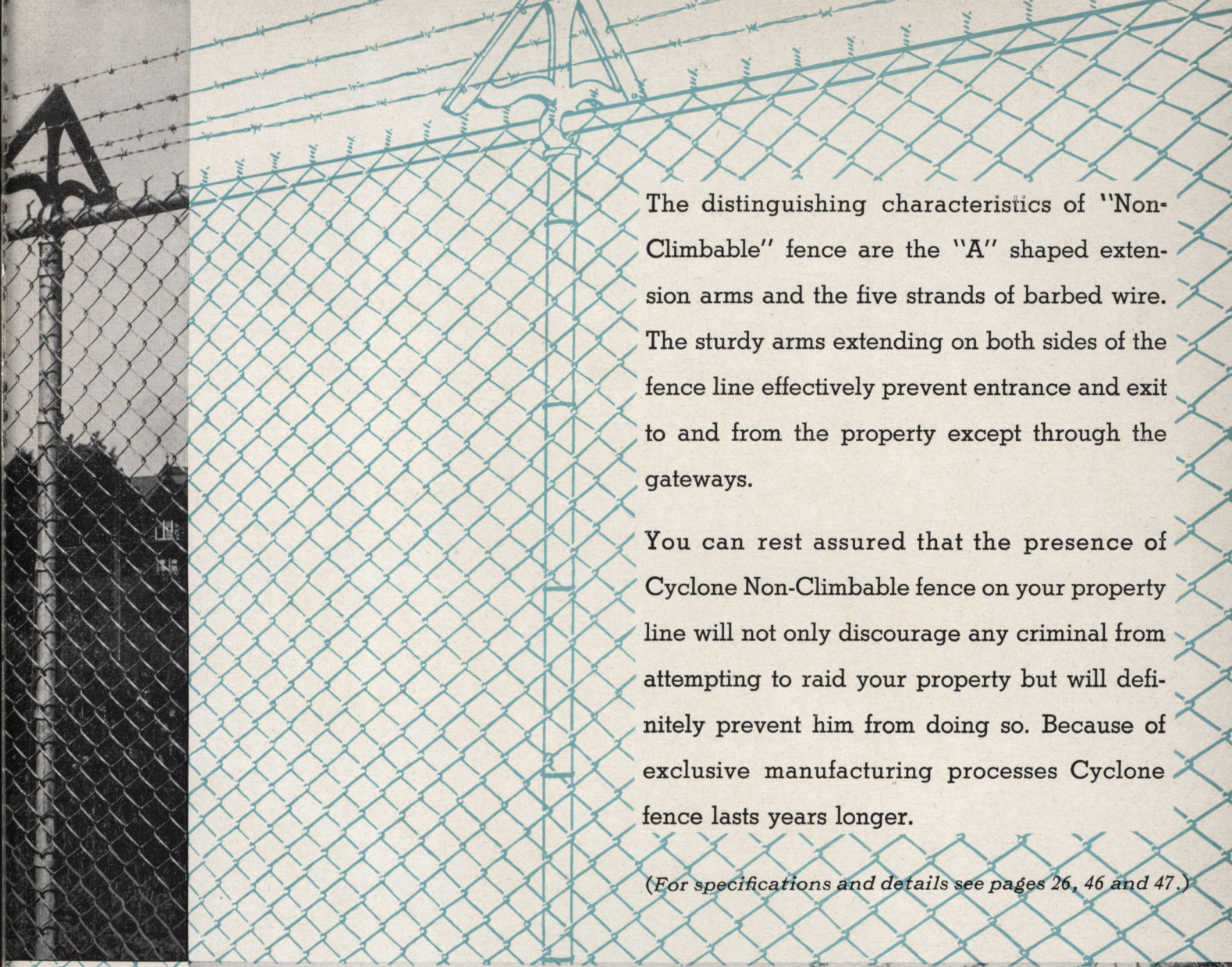
"Not a chance, Joe that's Cyclone Non-Climbable Fence"

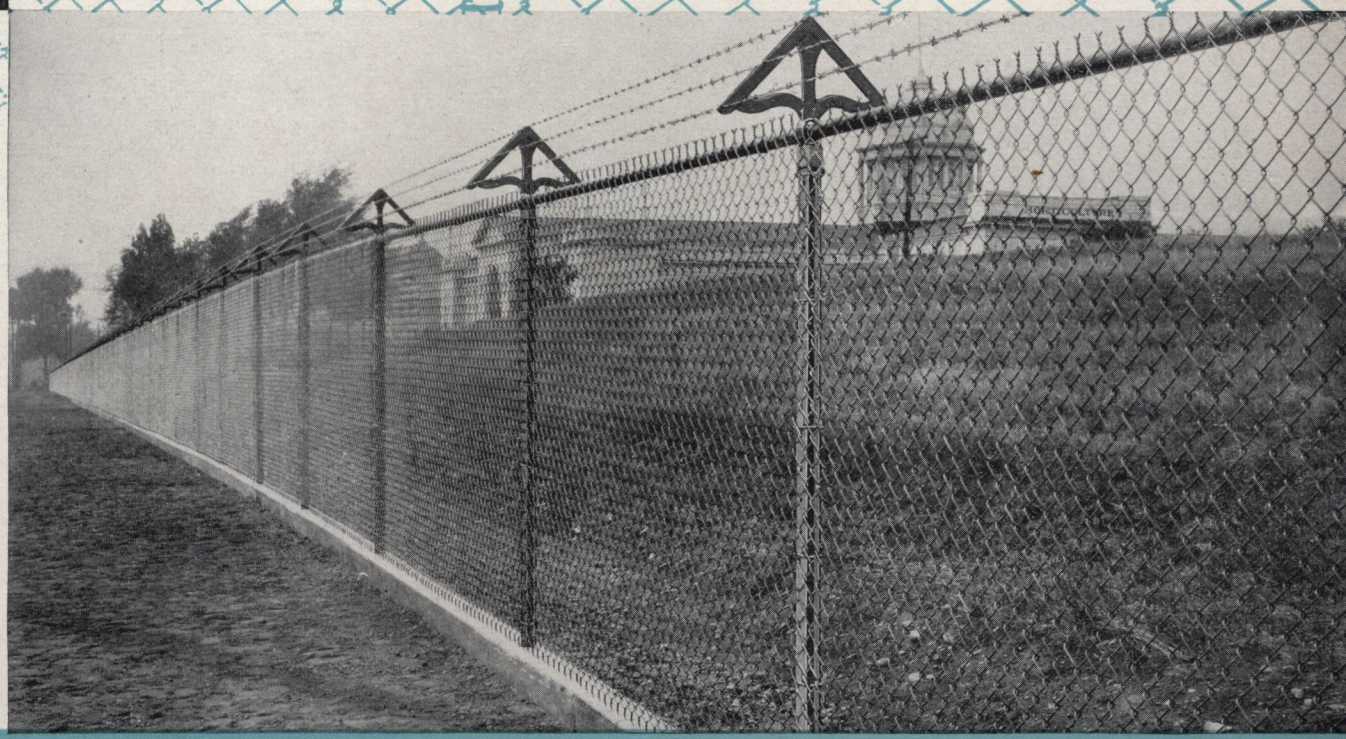
The "Non-Climbable" type is the most insurmountable fence manufactured by Cyclone. Where the possibility of intrusion must be absolutely eliminated, where the plant, institution or estate is in an isolated location or has sections of fence at a considerable distance from the buildings, the added protection afforded by "Non-Climbable" fence means a great deal more than the slight increase in price.

The distinguishing characteristics of "Non-Climbable" fence are the "A" shaped extension arms and the five strands of barbed wire. The sturdy arms extending on both sides of the fence line effectively prevent entrance and exit to and from the property except through the gateways.

You can rest assured that the presence of Cyclone Non-Climbable fence on your property line will not only discourage any criminal from attempting to raid your property but will definitely prevent him from doing so. Because of exclusive manufacturing processes Cyclone fence lasts years longer.

(For specifications and details see pages 26, 46 and 47.)

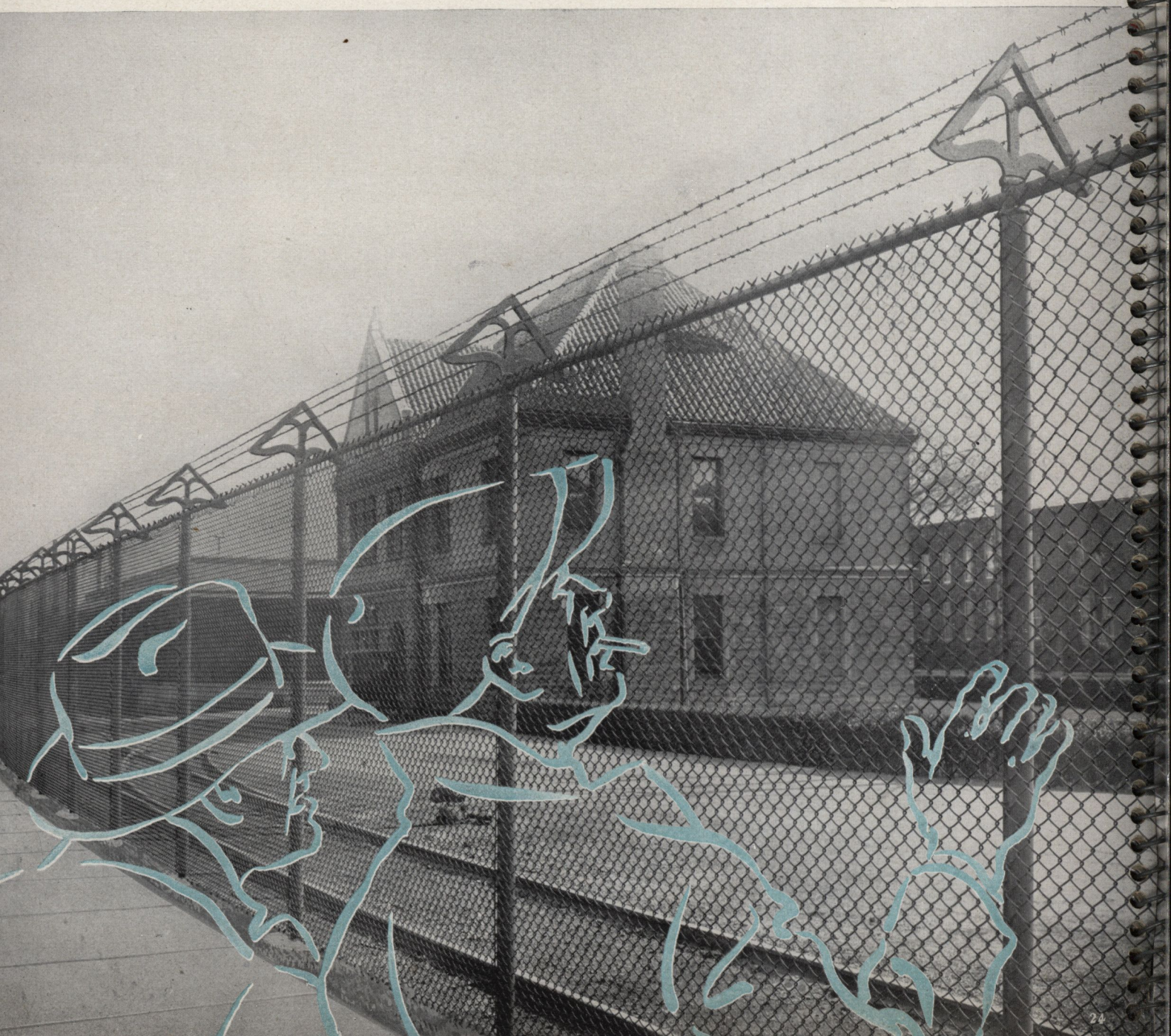




CYCLONE "NON-CLIMBABLE" FENCE

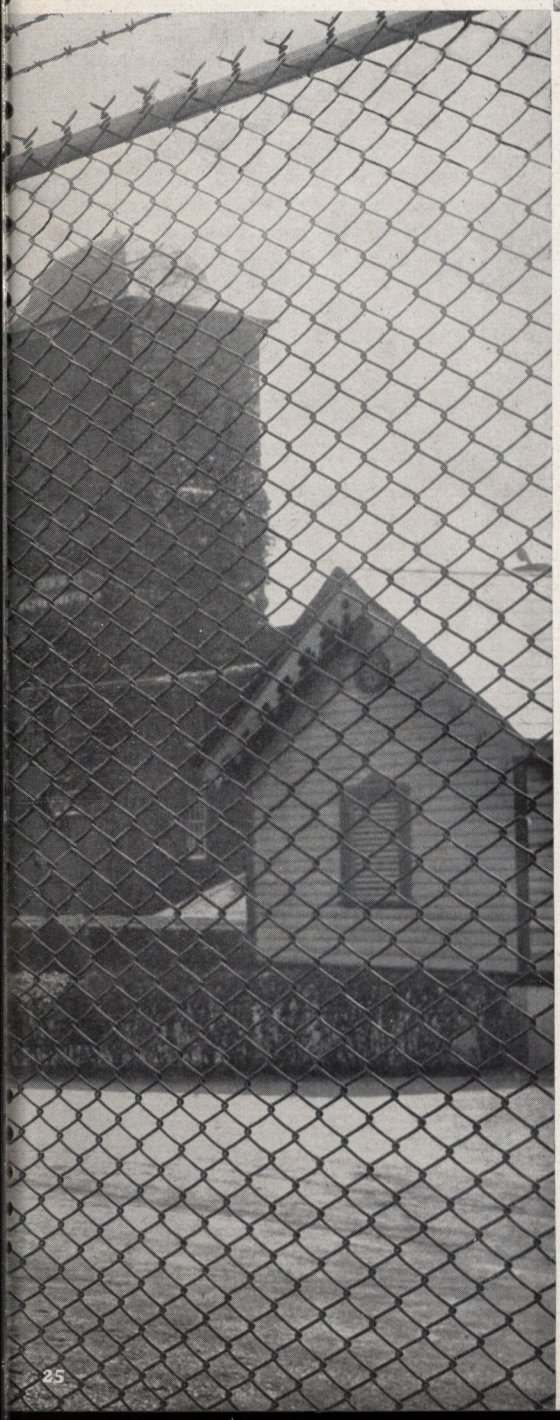
CYCLONE "NON-CLIMBABLE"

SUPERIOR strength has been built into every part of Cyclone "Non-Climbable" fence where needed. Only the highest quality of raw materials are used in the manufacture of Cyclone fence. These materials are controlled from raw ore to finished product by Cyclone.



FENCE

A variation of "Non-Climbable" fence is shown at right. Note that the extension arms are "V" rather than "A" shaped. This variation constitutes a "plus value" protection feature offered by Cyclone.



You may be fully confident that absolute privacy will be maintained when "Non-Climbable" fence is policing your property line. Twenty-four hours a day it may be depended on to successfully keep out trespassers, marauders, kidnapers, and others. It will prevent free passage to the "outside" by those within except through established entrances and exits.

Chain Link fence does not present a wall behind which detrimental or dangerous activities may be screened. It does not cut off the view either in or out.

Valuable goods and materials may be stored outside with absolute safety when Cyclone "Non-Climbable" fence surrounds the property. Curious outsiders will either stay away or make their presence known at regular entrances. Attendance at athletic events, fairs, etc., will be "all paid," no sneaking over or under this barrier.

Absolute control of your property is assured when enclosed by Cyclone "Non-Climbable" fence.

(For specifications and details see pages 26, 46 and 47.)

Cyclone NON-CLIMBABLE Fence

FABRIC: "Galv-After" Chain-Link, Heavily Zinc Coated (or Hot Galvanized) by Hot-Dip Process AFTER Weaving. No. 9 or No. 6 gauge wire, woven in a 2-inch Chain-Link diamond mesh. Top and bottom selvages to have twisted and barbed finish. Barbing to be done by cutting wire on bias, thus creating sharp points.

TENSILE STRENGTH TEST: Wire pickets of which this fabric is made to stand a tensile strength test of 70,000 pounds per square inch based on the cross sectional area of the galvanized wire.

GALVANIZING TEST: Wire fabric to stand six one minute immersions under the Preece Copper Sulphate Method of testing for uniformity and weight of coating. Test to be made on a section of wire picket at least four inches in length so as to include at least one bend and at least one straight side of the formed link in the test.

LINE POSTS: 2.25 H Column Section. Carbon content .35%.

TERMINAL POSTS: Hot-Dip Galvanized; standard full weight tubular Copper-Steel.

END, CORNER, ANGLE, AND PULL POSTS: 3-inch O.D., weight 5.79 lbs. per lineal ft.

SWING GATE POSTS: 3-in. O.D., weight 5.79 lbs. per lineal ft. are used for single swing gates up to and including 6-ft. opening and for double swing gates up to and including 12-ft. opening.

SWING GATE POSTS: 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for single swing gates wider than 6 ft. and up to and including 13-ft. opening; also for double swing gates wider than 12-ft. opening and up to and including 26-ft. opening.

SWING GATE POSTS: 6⅝-in. O.D., weight 18.97 lbs. per lineal ft. are used for all single swing gates wider than 13-ft. opening and up to and including 18-ft. opening; also for double swing gate wider than 26-ft. opening and up to and including 36-ft. opening.

SWING GATE POSTS: 8⅝-in. O.D., weight 24.7 lbs. per lineal ft. are used for all single swing gates wider than 18-ft. opening and for all double swing gates wider than 36-ft. opening.

SLIDE GATE POSTS: 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for slide gates up to 30-ft. opening.

SLIDE GATE POSTS: 6⅝-in. O.D., weight 18.97 lbs. per lineal ft. are used for all slide gates over 30-ft. opening.

POST SPACING: Posts are spaced in line of fence not farther apart than 10-ft. centers.

POST SETTING: All posts are set 36 inches in concrete base of proper size and shape as determined by our Engineering Department, so as to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fence of this character. A liberal factor of safety is provided.

EXTENSION ARMS: Hot-Dip Galvanized. All intermediate posts fitted with Cyclone Non-Climbable Extension Arms, made of pressed steel riveted to heavy malleable iron base. All end and corner posts are fitted with heavy malleable iron Arms. These Arms carry five barbed wires securely fastened. Topmost barbed wire 12 inches above the fabric.

TOP RAIL: Hot-Dip Galvanized. Tubular Steel, 1⅝-in. O.D., weight 2.27 lbs. per lineal ft. or High Carbon 1½-in. x 1 5/16-in. x 1 5/16-in. "H"-Column, weight 2.00 lbs. per lineal foot. Provided with sleeve rail couplings. Top rail passes through base of post top and forms a continuous brace from end to end of each stretch of fence. Top rail is securely fastened to end, gate and corner posts by pressed steel connections.

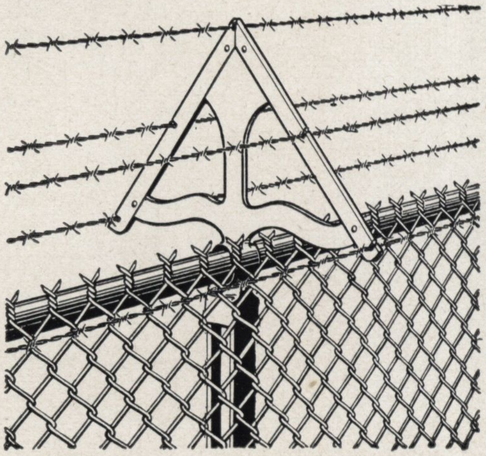
BRACES: Hot-Dip Galvanized. Horizontal braces furnished only for end, gate and corner posts when fence is six feet and over in height. Brace material same as top rail. Braces are spaced midway between top rail and ground and extend to the first line post. Braces are securely fastened to posts by means of malleable iron or pressed steel connections, then trussed from line post back to end, gate or corner post, with ⅜-in. round rod.

FITTINGS: Hot-Dip Galvanized. All Fittings used in connection with Cyclone Non-Climbable fencing and gates are malleable, wrought iron or pressed steel.

BARBED WIRE: 5 strands Galvanized Wire. Of four point pattern, composed of two strands of No. 12½ gauge Wire.

FABRIC BANDS: Fasten the fabric to line posts at approximately 14-inch intervals. Tie wires attach fabric to top rail, spaced approximately 24 inches apart.

GATES: Frames made of 2-in. O.D., Hot-Dip Galvanized Tubular Steel, weight 2.72 lbs. per lineal ft. Corner fittings heavy malleable castings. Fabric seam as in fence. Complete with special pivot type hinges, catch, stops and center rest.



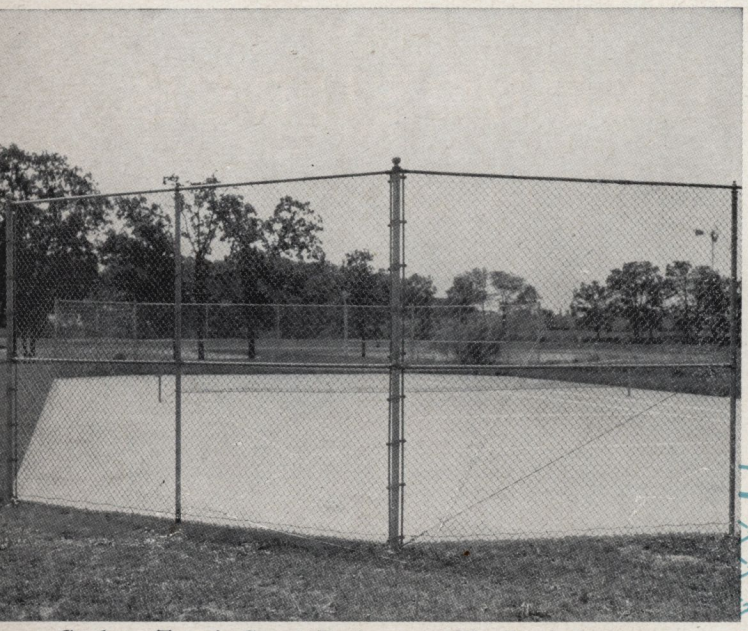
Top Finish of Non-Climbable Fence

FINISH: All materials entering into the construction of this fence, are heavily galvanized.

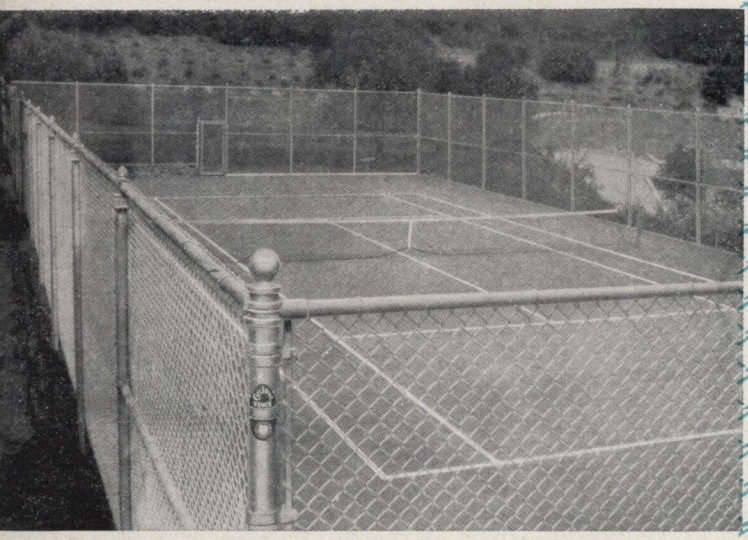
DIAGRAM, PRICES, ETC.: When writing for information, prices, etc., send simple diagram or layout of proposed fencing as explained on page 48. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus "O". State whether single or double swing, or sliding gates are wanted and give size of opening.

CYCLONE
TENNIS COURT ENCLOSURES
and BACK STOPS

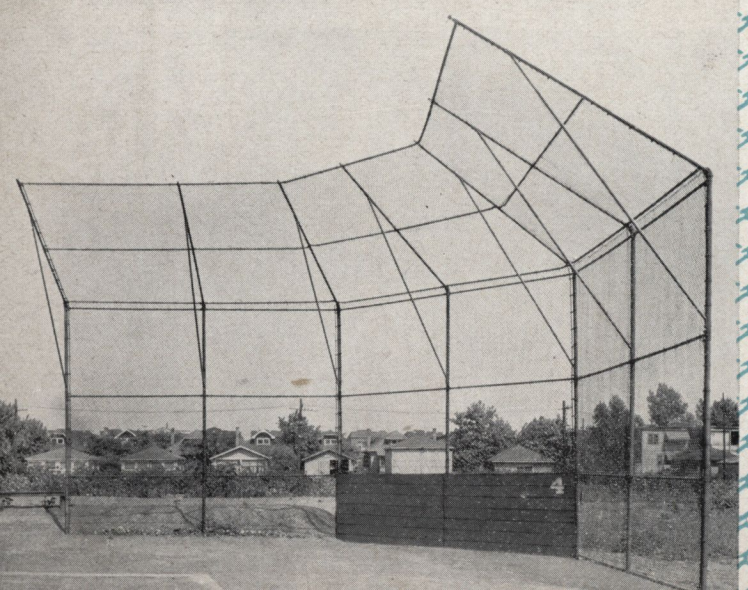
CYCLONE CHAIN-LINK FENCE—TENNIS



Cyclone Tennis Court Backstops will effectively serve the players on your courts.



The complete enclosure of the court by Cyclone Enclosures add greatly to the enjoyment of the game.



CYCLONE tennis court enclosures and back stops are the standard specification in numerous tennis clubs of the highest character. Thousands of private courts are Cyclone Fence enclosed.

Because of superior construction and erection facilities Cyclone enclosures will last years longer and retain their trim, neat appearance. In making an installation of this kind the best is the cheapest.

Galvanized after weaving Cyclone Chain Link fabric is protected from corrosion. Line, corner and gate posts firmly set in concrete will stand more abuse and constant strain than ordinary posts. Cyclone tennis enclosures and back stops maintain their alinement for many years with no upkeep expense.

(For specifications and details see pages 30, 46 and 47.)

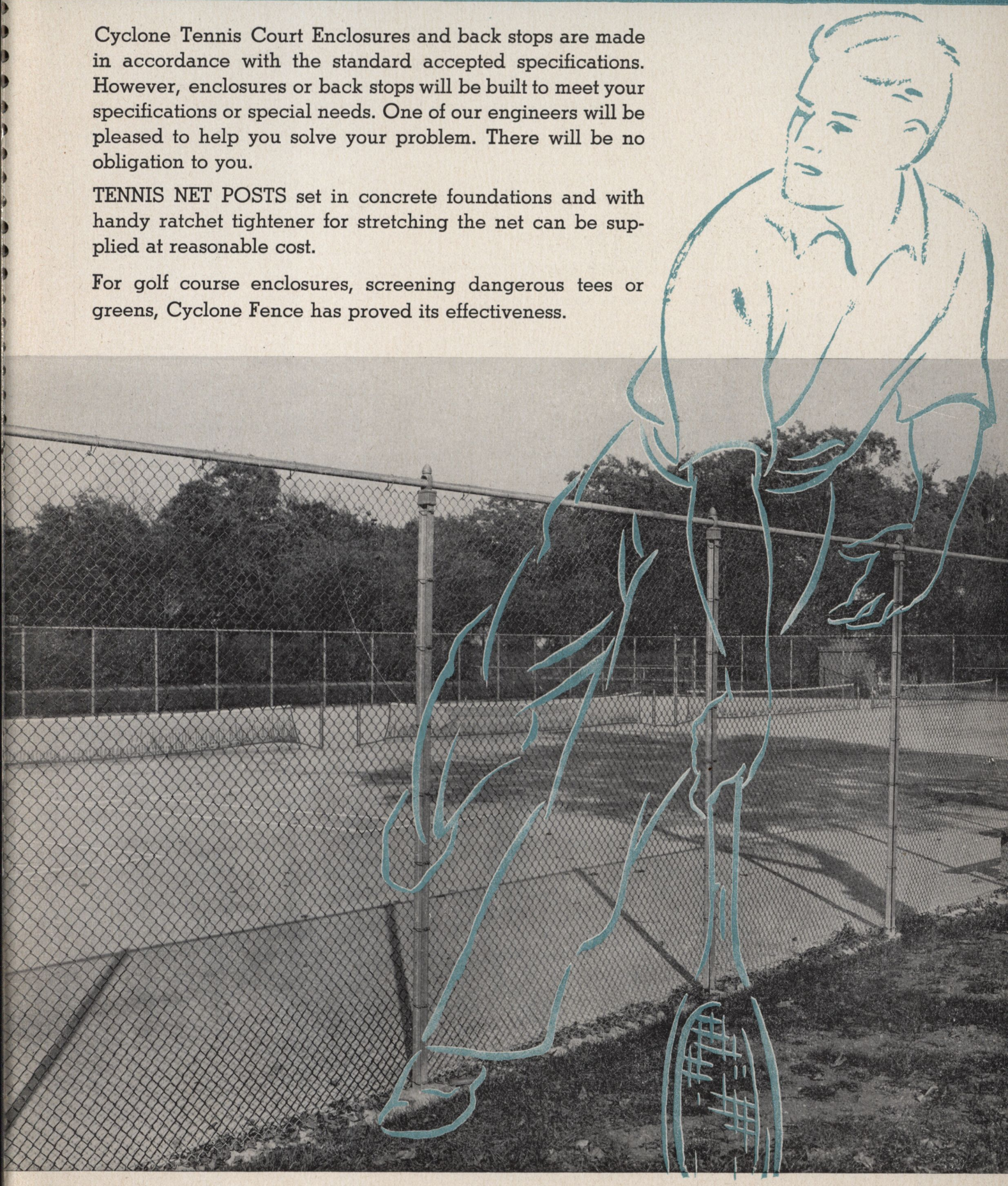
Baseball back stops for soft or hard ball built either with overhang at top (as illustrated at left) or straight up. Baseball back stop may be constructed either from your own designs or from those in our files.

COURT ENCLOSURES AND BACKSTOPS

Cyclone Tennis Court Enclosures and back stops are made in accordance with the standard accepted specifications. However, enclosures or back stops will be built to meet your specifications or special needs. One of our engineers will be pleased to help you solve your problem. There will be no obligation to you.

TENNIS NET POSTS set in concrete foundations and with handy ratchet tightener for stretching the net can be supplied at reasonable cost.

For golf course enclosures, screening dangerous tees or greens, Cyclone Fence has proved its effectiveness.



Tennis Court Enclosures and Back Stops

Standard Height: 10 ft. for Enclosure or Back Stops

The following specifications are standard Cyclone Construction however, Cyclone Tennis Enclosures and Back Stops can also be furnished in a light construction substituting tubular posts instead of H columns.

FABRIC: "Galv-After" Chain-Link, Heavily Zinc Coated (or Hot-Galvanized) by Hot-Dip Process AFTER Weaving. No. 11 gauge Steel wire woven in a 1¾-in. mesh. Top and bottom selvages of fabric have knuckled finish. One width fabric up to and including 12 ft. high. Center rail furnished for 12-foot fence only.

POSTS: Hot-Dip Galvanized.

LINE POSTS: 2.25 H Column Section. Carbon content .35%.

END, CORNER AND GATE POSTS: 3-in. O. D., weight 5.79 lbs. per lineal ft.

DEPTH OF POSTS: All posts are set 36 inches in concrete base.

POST SETTINGS: Concrete bases for posts are of proper mixture, size and shape as determined by our Engineering Department to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fencing of this character. A liberal factor of safety is provided.

POST TOPS: Hot-Dip Galvanized. All posts fitted with heavy ornamental tops.

TOP RAIL: Hot-Dip Galvanized. Tubular Steel 1⅝-in. O. D. weight 2.27 lbs. per lineal ft. or High Carbon 1½-in. x 1 5/16-in. "H" Column, weight 2.00 lbs. per lineal foot. Provided with expansion rail couplings. Top rail passes through post tops and forms a continuous brace from end to end of each section of fence. Top rail is securely fastened to end, corner and gate posts by pressed steel connections.

BRACES: Hot-Dip Galvanized. Horizontal braces furnished for end, gate and corner posts. Brace materials same as top rail. Braces are spaced midway between top rail and ground and extend to the first line post. Braces are securely fastened to posts by pressed steel connections, then trussed from line post back to end, gate or corner post.

FITTINGS: Hot-Dip Galvanized. All fittings used in connection with Cyclone Tennis Court fencing and gates are malleable, wrought iron or pressed steel.

FABRIC BANDS: Fasten the fabric to line posts, spaced approximately 14 inches apart. Tie wires attach fabric to top rail, spaced approximately 24 inches apart.

FINISH: All materials entering into the construction of this fence are galvanized.

DIAGRAM, PRICES, ETC.: When writing for information, prices, etc., send simple diagram as indicated at right. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus. "O." State whether single or double swing gates are wanted and give size of opening.

GATES FOR TENNIS COURT ENCLOSURE: Hot-Dip Galvanized. Frames tubular steel 1⅝-in., O. D., weight 2.27 lbs. per lineal ft. Fabric is same as used in enclosure. Gate is set into fence line with 7-ft. overhead clearance. Fittings throughout are heavy malleable castings. Gate is amply braced and trussed. Equipped with spring latch. Standard width for walk gates, 3½-ft. opening; for double-drive gates, 8 and 10-ft opening.

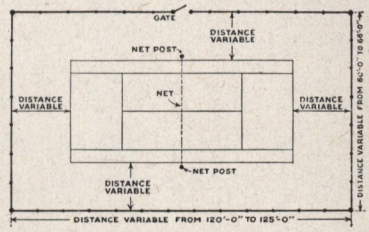


Diagram Tennis Court Enclosure

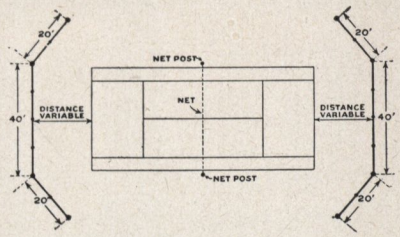
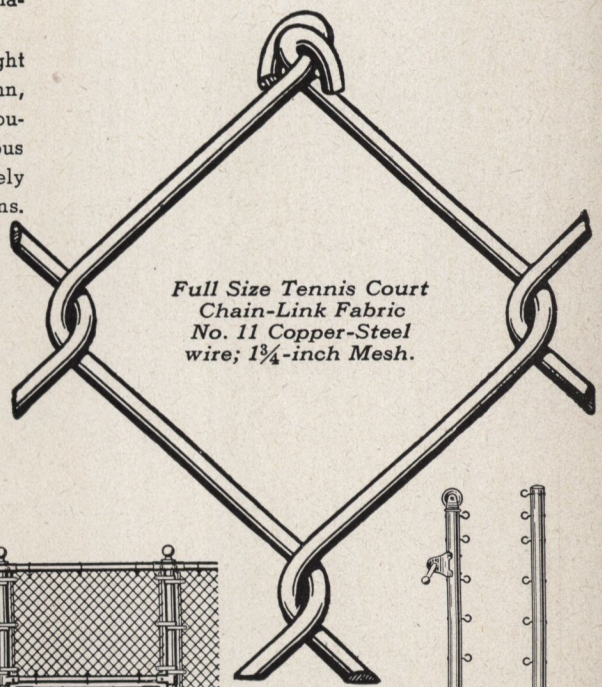
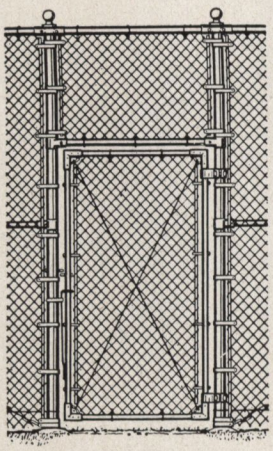


Diagram Tennis Court Back Stops



Full Size Tennis Court Chain-Link Fabric No. 11 Copper-Steel wire; 1¾-inch Mesh.



Gate Used With Cyclone Tennis Court Enclosure

Cyclone Tennis Court Net Posts, Heavy Tubular Steel with Ratchet on one Post

CYCLONE
STEEL PICKET FENCE

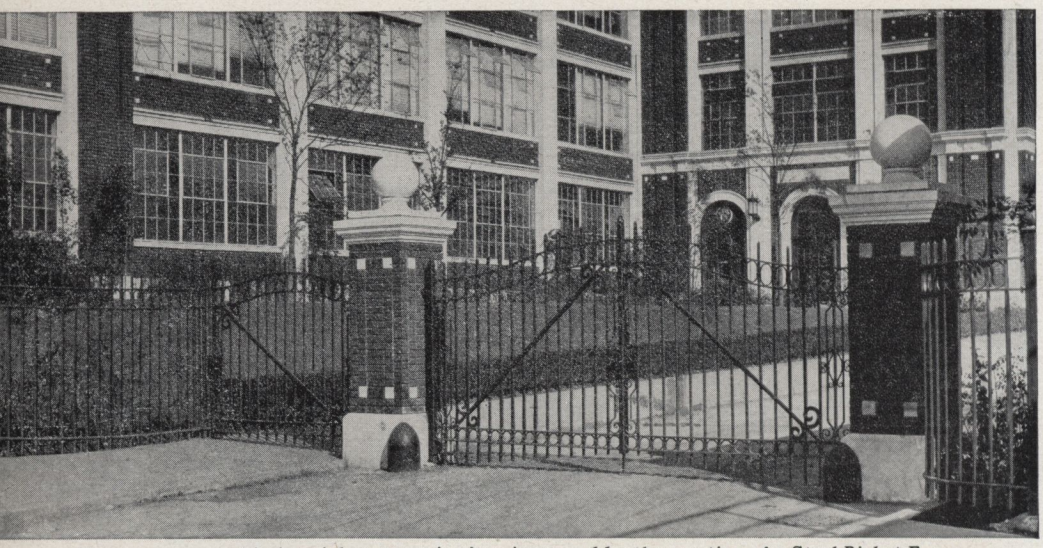
CYCLONE STEEL PICKET

WHERE property line protection demands unusual or particular treatment Cyclone Steel Picket Fences and Gates will exactly meet the requirements. They are built by craftsmen whose experience in designing and fabricating this type of fence extends back many years. Years of testing and experimenting have developed requirements which all materials used in the manufacture of Cyclone Steel Picket Fence must meet.

FENCE AND GATES

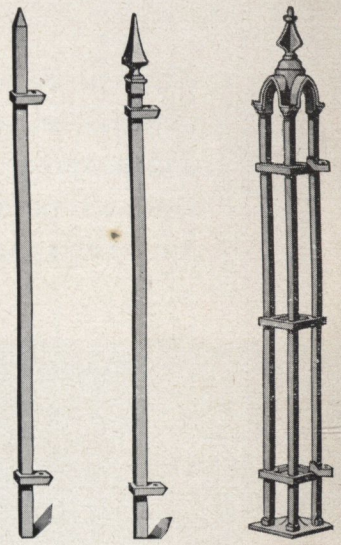
Cyclone Fence is built to last longer and to retain its dignified appearance indefinitely. Designs prepared by your architect to carry out the motif of the architecture or landscaping on your property may be used as the basis for your steel picket fence. Our own art and engineering departments will develop special gate and fence designs for your approval, if you desire. Designs from our files will be shown on request.

CYCLONE standard designs have been developed over a period of years to satisfy the protection requirements of many kinds of property. The desired appearance depends so largely on proportion and material that we suggest you consult one of our sales engineers and our art department before definitely deciding on the design to be used. There will be, of course, no obligation. Cyclone Steel Picket Fence may be finished in the standard black or in pleasing shades of many other colors.



The appearance of industrial property is often improved by the erection of a Steel Picket Fence with gates to match the fence design. The fence and gates shown at the right are Cyclone Steel Picket design Number 501.

First impressions are lasting impressions. The gate shown at the right, Cyclone Steel Picket design Number 503 will favorably impress your guests no matter how critical they may be.



Post No. 50 *Post No. 51* *Post No. 52*

END, CORNER, AND GATE POSTS

POST NO. 50—1-inch square solid steel. Pointed top. Adaptable to fences up to 48 inches in height.

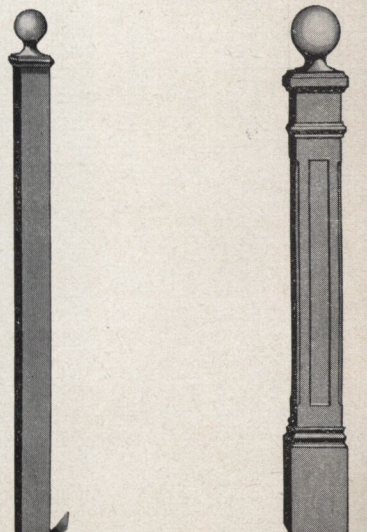
POST NO. 51—1-inch square solid steel, with wrought malleable top as shown. For fences up to 48 inches in height.

POST NO. 52—A built-up post with square solid steel upright members and wrought malleable top, bands and base plate. Base plate and bands 6 inches square for standard heights up to 60 inches.

POST NO. 53—Steel tubing 2, 2½ or 3-inch square ornamented with cast iron ball top; also flange base if required. For use with any height fence listed.

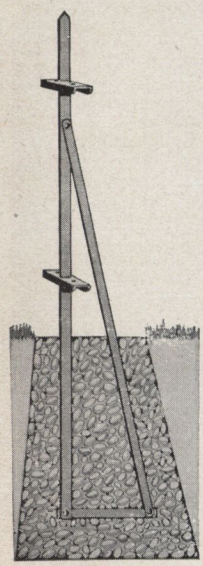
POST NO. 55—Cast iron. Extra heavy walls. Cast in one piece including base. Posts for fences 4 to 6-ft. high are 6 inches square at base. Posts for fences 6-ft. to 8-ft. high are 8 inches square at base. Posts for fences 8-ft. to 10-ft. high are 12 inches at base. All posts are built to extend 36 inches below grade.

All of the above posts are provided with proper bases for concrete setting; cuts show posts to grade line only.



Post No. 53 *Post No. 55*

STEEL PICKET FENCE AND POSTS



Style "C" Line Post

Style "E" Line Post

LINE POSTS

STYLE "C" LINE POSTS: For fences up to and including 48 inches in height; made of 1 ½ x ⅜-inch flat steel with sheared top. Furnished with steel back-brace and foot bar. This line post is generally used with the No. 50 terminal posts.

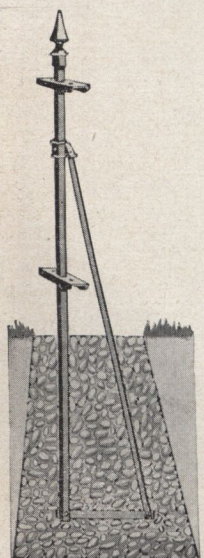
STYLE "E" LINE POST: Standard for fences over 60 inches in height and for all heights in fence specifications C. It is a structural section, 3-inch "I" Beam requiring no back-brace. Furnished with cast iron ornamental top.

STYLE "F" LINE POST: Same as style "E" except that it has a sheared top.

STYLE "D" LINE POSTS: Made of 1-inch square solid steel with pointed top, or ornamented with wrought malleable top as shown. Furnished with steel back-brace and foot bar. This line post is generally used with No. 51 terminal posts.

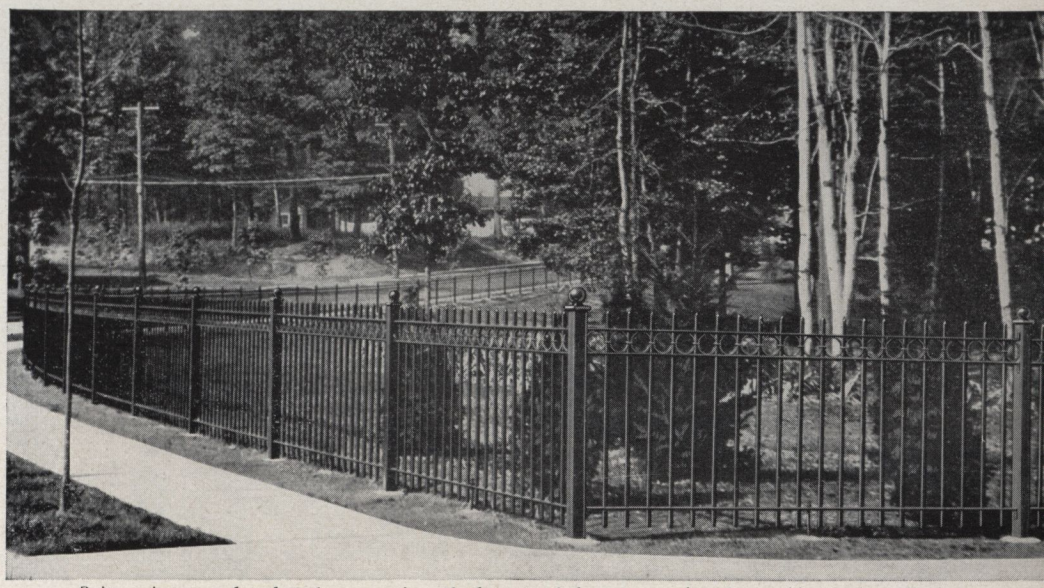
STYLE "H" LINE POST: 2-in. "H" column, with sheared or ornamental tops, same as styles "E" and "F." Used when fence is 60 inches or lower and fence specifications A and B in all designs are used.

The foregoing recommendations regarding the use of line posts are the result of our experience in manufacturing and installing high grade wrought iron fences. However, these posts are interchangeable, and if your fencing conditions are different, any combination of panels and posts will be arranged to suit your requirements.

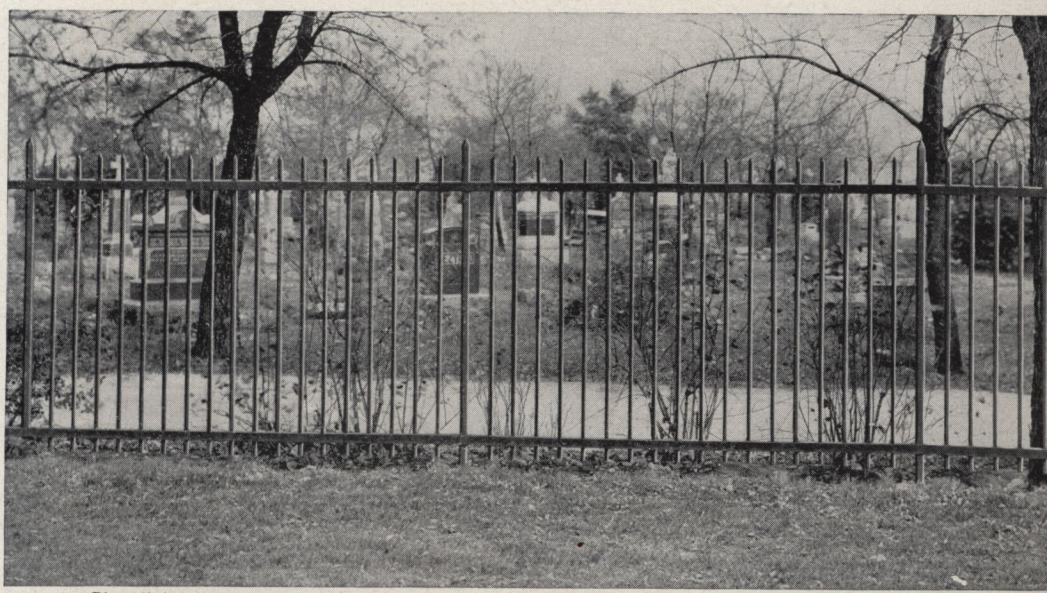


Style "D" Line Post

Style "F" Line Post



Privacy is assured and at the same time the beauty of the property is enhanced by the installation of this dignified enclosure.



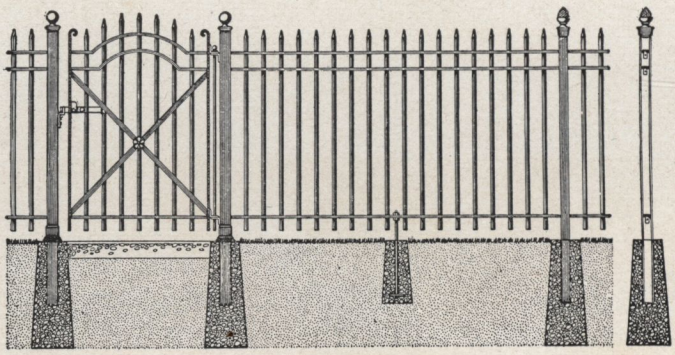
Simplicity is the keynote of this strong barrier. Various specifications are available when this design is chosen. Ornamental gates and arches are often used.

This Cyclone Steel Picket Fence adds dignity to residential and estate property while rigidly protecting privacy. Note the pleasing appearance of the specially designed posts.

SPECIFICATIONS AND DETAILS

Cyclone STEEL PICKET Fence

STANDARD DESIGNS



Standard Design No. 507

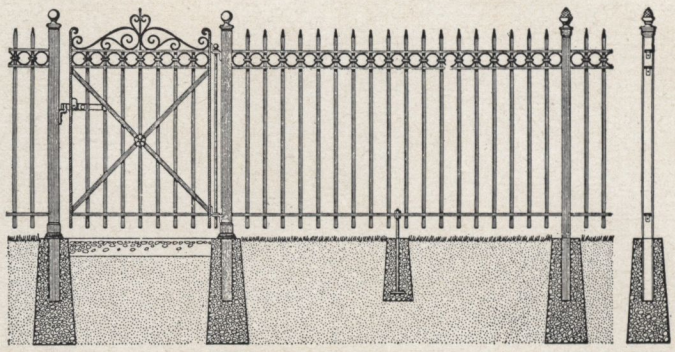
A particularly graceful pattern. Very durable and will stand hard usage. Style No. 53 Gate Posts and Style "E" Line Posts are shown.

507A—½-inch Square Pickets, spaced 4 inches on centers. 1¼x½-inch Heavy Channel Rail. Height from ground, when set, 37, 42 and 48 inches.

507B—⅝-inch Square Pickets, spaced 5 inches on centers. 1½x⁹⁄₁₆-inch Heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54 and 60 inches.

507C—¾-inch Square Pickets, spaced 5 inches on centers. 2x⅝-inch Heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54, 60 and 72 inches.

When writing for prices send diagram as explained on page 48.



Standard Design No. 508

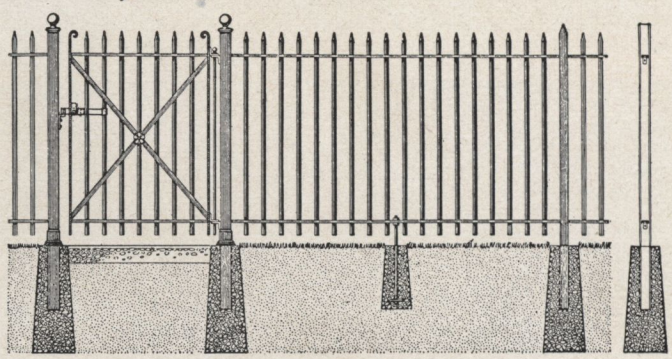
Bordering on the ornamental, this pattern serves a useful purpose in affording an iron fence at a moderate price, that is not too plain. When erected, its beauty becomes at once evident and imparts a pleasing and finished appearance to premises. Style No. 53 Gate Posts and Style "E" Line Posts are shown.

508A—½-inch Square Pickets, spaced 4 inches on centers. 1¼x½-inch Heavy Channel Rail. Height from ground, when set, 37, 42 and 48 inches.

508B—⅝-inch Square Pickets, spaced 5 inches on centers. 1½x⁹⁄₁₆-inch Heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54 and 60 inches.

508C—¾-inch Square Pickets, spaced 5 inches on centers. 2x⅝-inch Heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54, 60 and 72 inches.

When writing for prices send diagram as explained on page 48.



Standard Design No. 509

Purposely lacking any element of ornamentation, this pattern constitutes a practical, good looking fence for many purposes. It is durable, and can be depended upon to give permanent service. Style No. 53 Gate Posts and style "F" Line Posts are shown.

509A—½-inch Square Pickets, spaced 4 inches on centers. 1¼x½-inch Heavy Channel Rail. Height from ground, when set, 37, 42 and 48 inches.

509B—⅝-inch Square Pickets, spaced 5 inches on centers. 1½x⁹⁄₁₆-inch Heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54 and 60 inches.

509C—¾-inch Square Pickets, spaced 5 inches on centers. 2x⅝-inch Heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54, 60 and 72 inches.

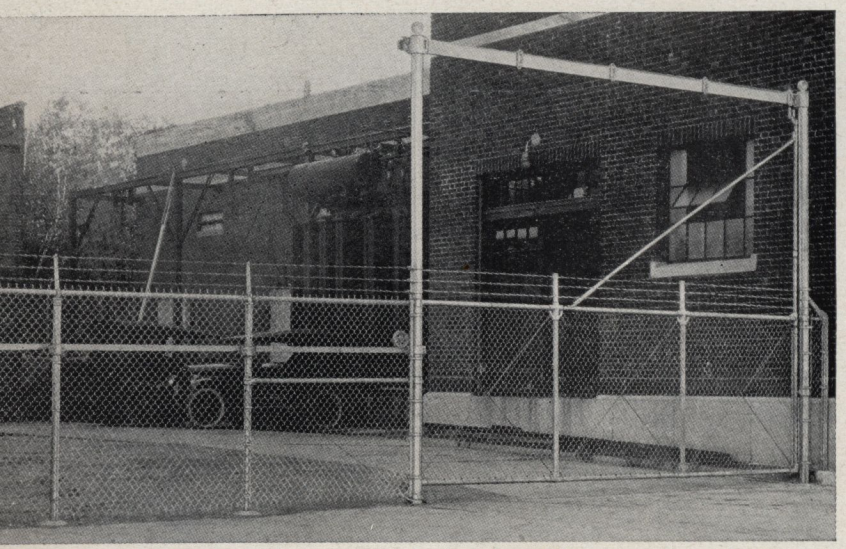
When writing for prices send diagram as explained on page 48.

STYLE H LINE POSTS: 2″ H column with sheared or ornamental tops are used when fence is 60″ or lower and specifications A and B in all designs are used.

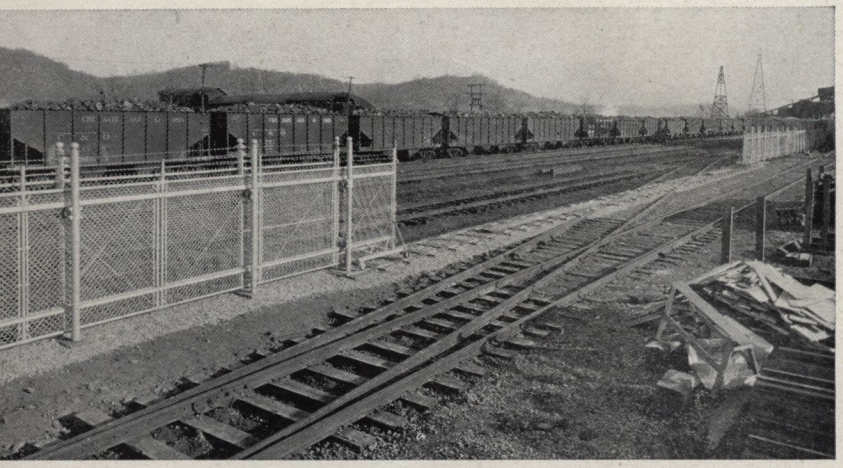
Cyclone Steel Picket Fence is built in any height and of any size materials. Blue prints and specifications furnished on request. Steel Picket Gates are built in any height and width of any size materials. Blue prints and specifications furnished on request.

CYCLONE GATES

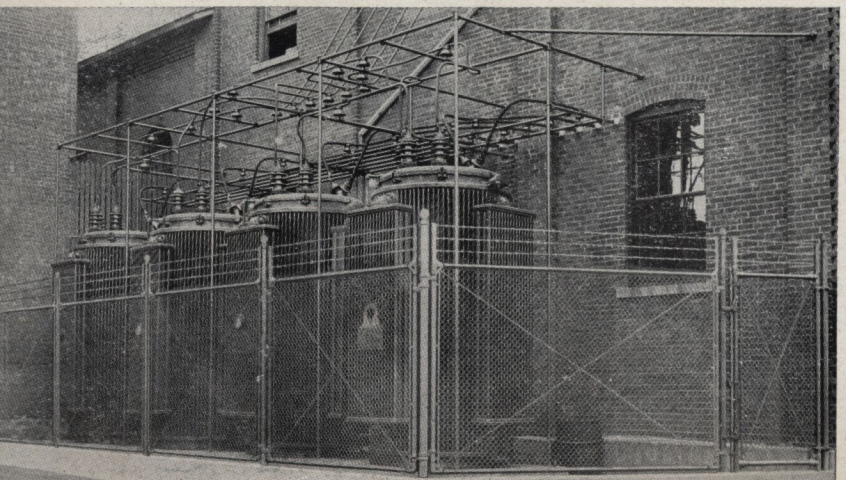
Double swing gates furnished with Invincible Fence where required.



Cyclone Sliding Gates are particularly adaptable where there is not sufficient room for swing gates.



Above—Special gates may be furnished to meet your particular requirements. Below—Cyclone removable panels are described on page 40.

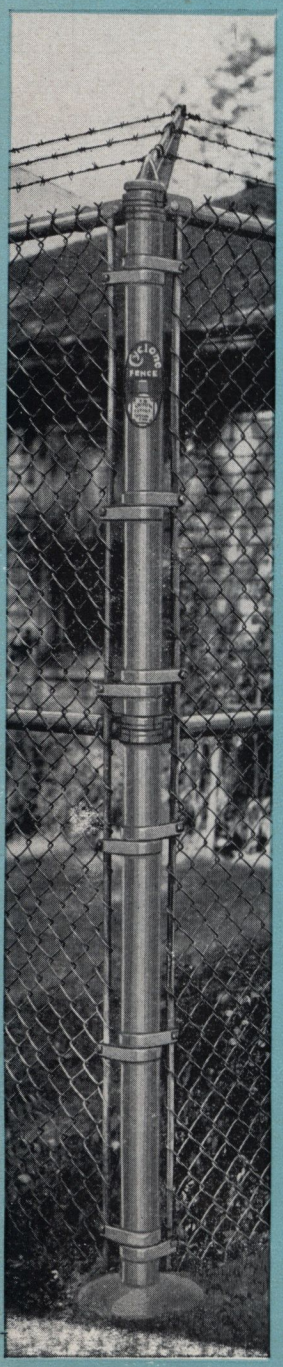


CYCLONE GATE POST CONSTRUCTION

ADDITIONAL strength is built into every part because of the hard and constant use to which the gate construction is often subjected. Notice the ball and socket lower hinge, the heavy malleable fittings and the strong post, all features which add to the serviceable life and ease of operations of Cyclone Gates.

CYCLONE CORNER POST CONSTRUCTION

WHERE the strain in the fence line is greatest extra strength is built in by Cyclone. Construction at corner points of all types of Cyclone Fence has been carefully developed and thoroughly tested. Its value has been proven by years of service.



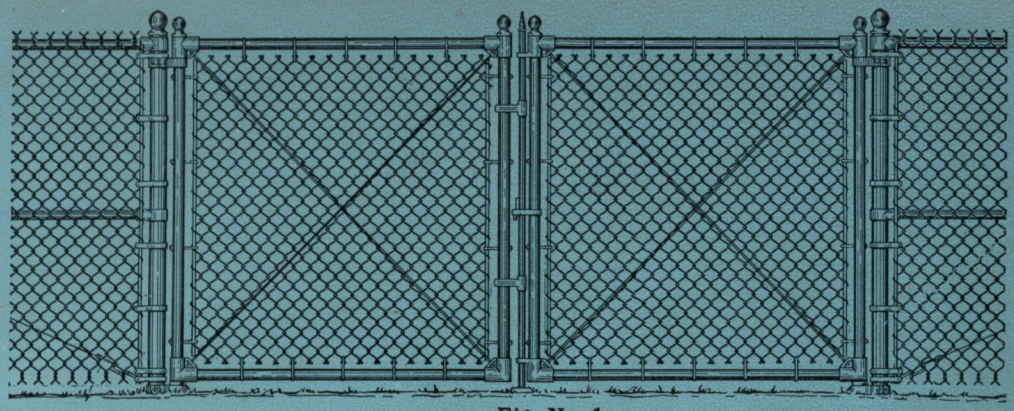


Fig. No. 1

Double-Drive Swing Gate used with Safeguard Chain Link Fence.

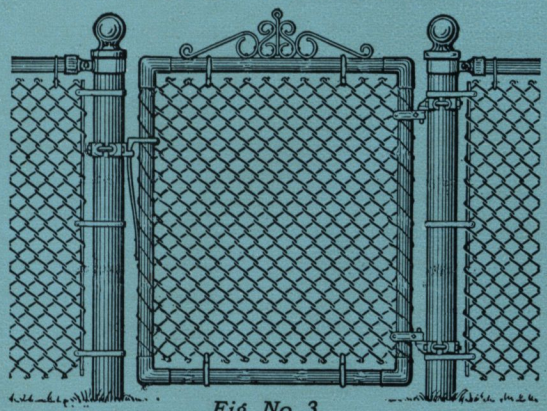


Fig. No. 3

Ornamental Walk Gate furnished with lower heights of Safeguard Fence. Scroll top. Equipped with spring latch.

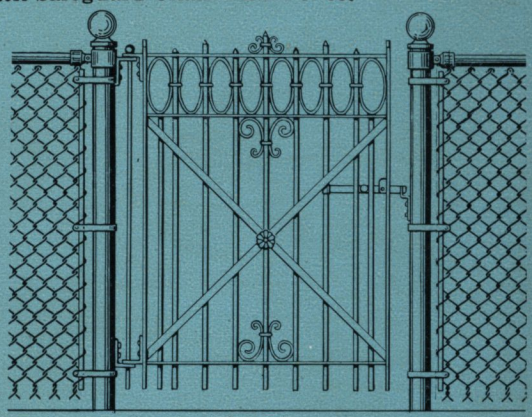


Fig. No. 4

Steel Picket Walk Gate. Standard architectural design. Built especially for use with Safeguard Fence.

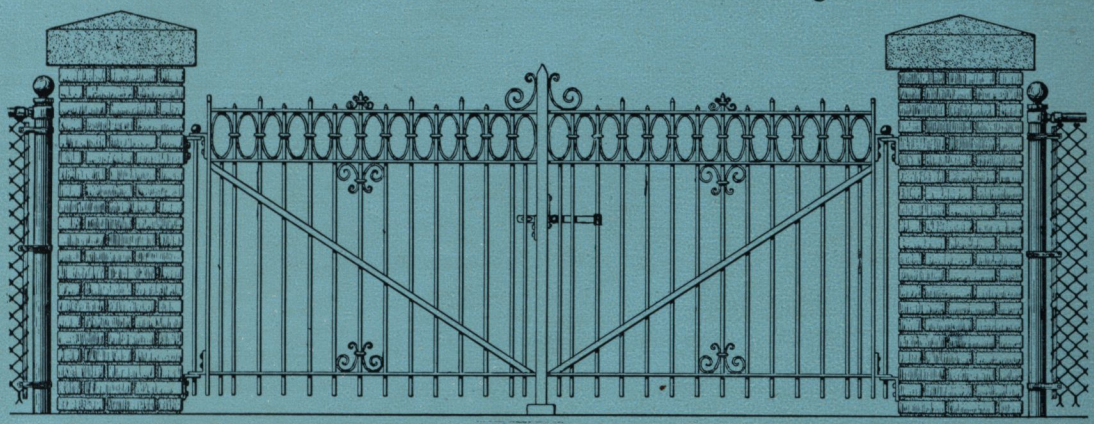
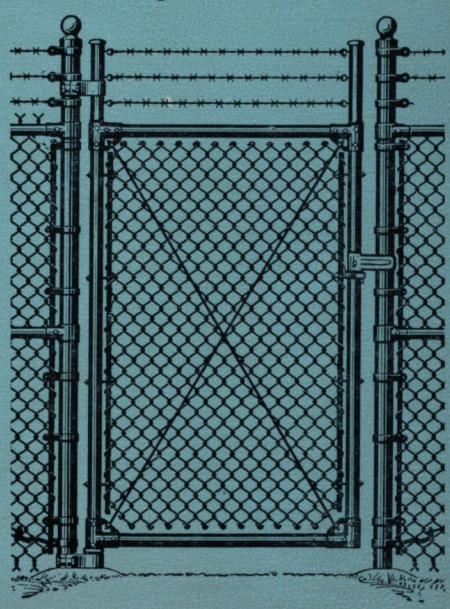


Fig. No. 2

Steel Picket Double Gate for use with Safeguard Fence. Standard width, 10 ft. May be hung on brick or stone piers or tubular steel posts.

Cyclone Steel Picket Gates are designed to harmonize perfectly with Safeguard Chain Link Fence. They combine unusual beauty with great strength. Double drive gates and walk gates are built in the same attractive designs in heights to match the fence.



Walk gate used with Invincible and Non-Climbable Fence. "Ball and Socket" Hinge. Fork latch.

SPECIFICATIONS AND DETAILS

CYCLONE CHAIN-LINK GATES

FRAMES: Hot-Dip Galvanized, tubular Steel. In heights 6 ft. and over frames are 2-in. O.D., weight 2.72 lbs. per lineal ft. When used with fence having barbed wire top, the end members extend 1 ft. above top horizontal rails, and carry 3 strands of barbed wire. Corner fittings are extra heavy malleable iron.

STAYS: Hot-Dip Galvanized, tubular Steel, 1⅜-in. O. D., for single gates 8-, 9-, 10- and 11-ft. wide. For single 12-ft. and wider, stays are 2-in. O. D. These stays together with ⅜-in. adjustable truss rods keep gate absolutely rigid; prevent sagging, buckling and side weave.

FABRIC: Cyclone "Galv-After" Chain-Link of No. 9 or No. 6 gauge Steel wire, woven in a 2-in. mesh to match fabric used in fence furnished. Fabric is built into gate frame by means of stretcher bars and adjustable hook bolts which keep fabric at proper tension.

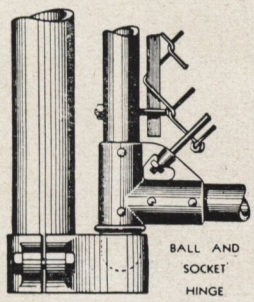
HINGES: Hot-Dip Galvanized. Made of malleable iron, heavy, strong. Have exceptionally large bearing surface for clamping hinge on gate post—cannot twist or turn. Cyclone swing gate hinge equipment will carry 100% over load. Bottom hinge is ball and socket pivot type. It rests directly on post base and cannot sag. Socket carries most of the weight and makes gate easy to handle.

LATCH AND LOCK: Hot-Dip Galvanized. On single gates less than 10 ft. opening, a fork latch is used. On single gates 10 ft. and wider and all double drive gates, latch of the plunger bar type, is furnished. All gates are equipped with attachments for padlock locking. This is the most practical and effective locking arrangement. Plunger bar provides a positive latch. Padlock attachment makes possible the use of master-key system. Plunger bar is of tubular Steel and extends the full height of gate. Fittings are of heavy pressed steel or malleable iron. Flush plate and anchor which receives plunger bar is set in concrete. Plunger bar guides and gate corner fittings are cast in one piece; thus eliminating any possibility of their working loose. Railroad gates and drive gates are equipped with catch posts to hold gates in open position.

STANDARD SIZES: Single swing walk gates built standard for 4-ft. opening. All "openings" mean distance from inside to inside of posts. Double-swing gates for driveways built standard for 10-to 18-ft. openings. The standard size for railroad entrance is 18 ft. This provides proper clearance between cars and gate posts and conforms to state laws.

Gates for standard size openings are recommended where conditions are regular. They are carried in stock at all Cyclone factories. The standard size gate openings specified have been established as a result of many years of experience in manufacturing and installing Cyclone Property Protection Fence. Weight and strength of gate posts are given very careful attention by our Engineering Department where it is necessary to provide gates of extra large size. Where conditions are such that standard sizes cannot be used, gates are built to meet requirements.

Gates Less Than 6-ft. Height: Hot-Dip Galvanized. Gates 5 ft. high have tubular frames 1⅝ in. O. D., weight 2.27 lbs. per lineal ft. Corner fittings, hinges and latch same type as gates 6 ft. high. Gates 3, 3½ and 4 ft. high have tubular frames 1⅜ in. O. D., weight 1.67 lbs. per lineal ft. Equipped with or without ornamental scroll top and spring latch.

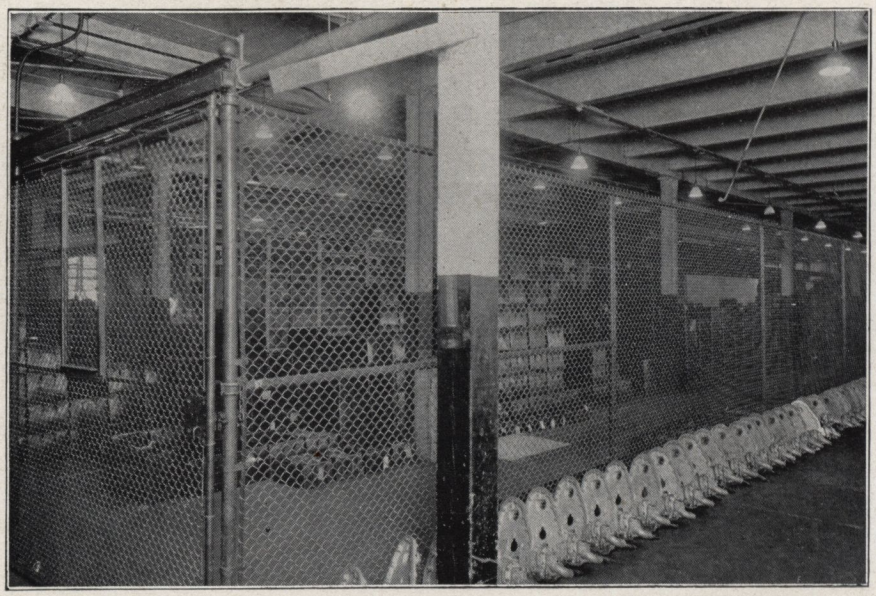


REMOVABLE PANELS

Cyclone Transformer Station Enclosures with removable panels afford reliable protection yet are easily and quickly removed when installing or replacing equipment. Width of panels to suit conditions. Framework, tubular Steel 1⅝-in. diameter. Fabric No. 9 or No. 6 gauge Steel wire woven in a 2-inch chain-link mesh. Hot-Dip Galvanized.

CYCLONE PARTITIONS
WINDOW GUARDS
METAL CONVEYOR BELTS

CHAIN-LINK PARTITIONS

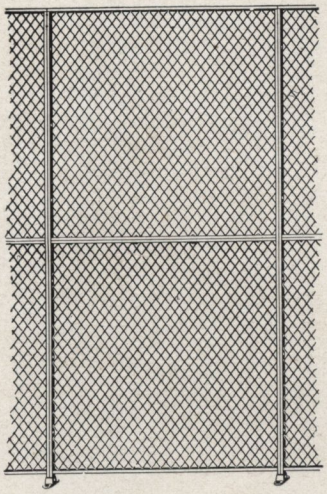


Cyclone chain link partitions form an especially durable and effective enclosure for all purposes. Fabric made of No. 9 or No. 6 steel wire woven in a 2-inch chain link mesh. Galvanized after or before weaving. Top and bottom selvages have twisted and barbed finish.

Frame work made of heavy steel tubing makes this type partition very rigid and capable of withstanding rough usage. This type of partition may also be erected on wood frames or existing columns.

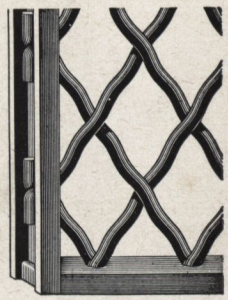
Gates, wickets or hand holes may be placed where convenient.

WIRE WORK PARTITIONS



Built In Sections; Standard Size

Cyclone sectional partitions are always equal to the requirements of your business. Sections can be added as needed, or taken out and used elsewhere. All sections punched alike for bolts—no refitting—no loss. Quick changes in departments can be made any time. Pick up any section, place in position, bolt to adjoining sections —no fitting or trouble. Easy to erect partitions for any purpose. All sections are standard size.



Detail of Channel Iron Partition Frame

SPECIFICATIONS

5 Ft. Wide by 8 Ft. High

FRAMES—1-in. channel iron with floor flanges for wood or concrete floors.

FABRIC made of No. 10 gauge steel wire woven in 1½-in. diamond mesh and securely locked in framework.

PARTITIONS are equipped with either swinging or sliding doors. Hand holes or wickets in partitions or doors provided where desired.

DOORS provided with tamper-proof latches and locks. All partitions given coat of special black metal paint.

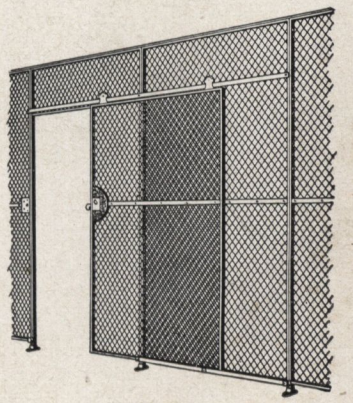
SLIDE DOORS

Doors of this type are especially convenient and desirable where space is limited, and there is not sufficient room to swing a door.

This door is built with roller hangers that operate on an overhead track.

Cyclone Sliding Doors are very easy to handle; they do not get out of order; they are always under control, and may be opened an inch or full width, as desired.

The frames, fabric, finish and lock specifications provide for the same high quality as furnished in Cyclone Swing Doors. Indicate on your sketch which way your doors should slide.



Slide Door

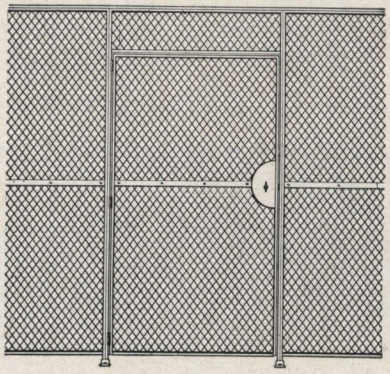
WIRE WORK

SWING DOORS

The hinges are heavy butt type, bolted to the door frame and hinge bar.

The lock is of tumbler type, bronze interior, cylinder-keyed—a smooth working unit that clicks open and snaps shut with perfect precision. Lock plates make it tamper-proof.

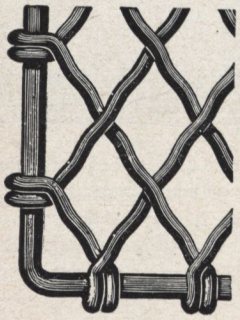
Usually there is a knob handle that controls the lock on the inside of the enclosure, and a key opening on the outside. The diagram or floor plan accompanying your order should indicate which side of the partition is the INSIDE, and which way the door should swing.



Swing Door

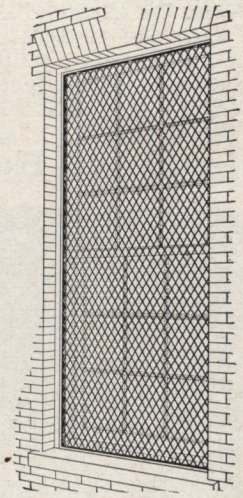
WINDOW GUARDS

Frames are 1-in. channel or ⅜-in. round iron. Guards with channel-iron frames fit into the openings and exact opening sizes are required. Guards with round-iron frames usually allow ¾-in. on all sides for lap, but can be made to fit into openings. In all cases specify outside-to-outside measurements of complete guards.



Detail of Round Iron Guard Frame

Fabric—No. 10 gauge wire woven in 1½-in. diamond mesh, is a specification commonly used. However, Cyclone Window Guards are furnished with size of wire and mesh to suit any condition. Furnish opening sizes for estimates and quotations. All guards given heavy coat of special black metal paint.



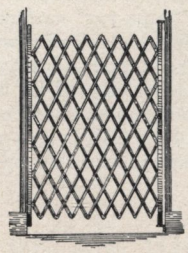
Window Guard

WOVEN WIRE SIGNS

Built in any size with heavy channel-iron frames. Letters are heavy-galvanized sheet steel. All signs are constructed to withstand weather conditions, and give permanent service. State length and height of sign wanted, also name to be displayed. Please give dimensions when requesting prices.

FOLDING GATES

Especially adapted for factory and office entrances, stock-room and department doors, etc. Made for any width, take up minimum space, fold and swing out of the way.



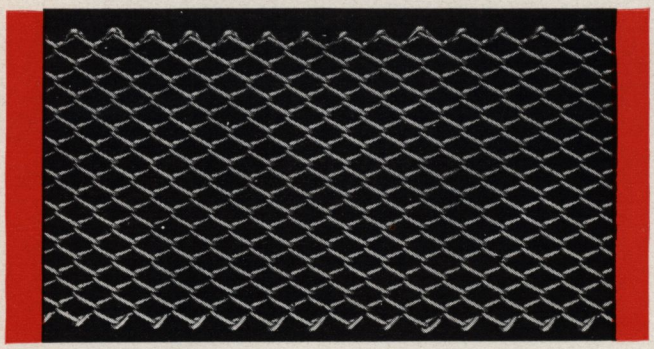
CYCLONE METAL CONVEYOR BELT

Chain Link Belt

Every U.S.S. Cyclone Conveyor Belt is made for a specific purpose and woven from that particular metal which is suited to the exact mechanical and chemical conditions of your operations.

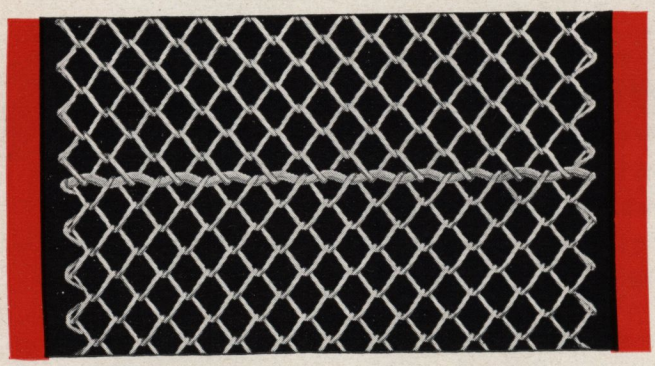
Cyclone Metal Conveyor Belts overcome many of the obstacles that make rubber, canvas or leather belts impractical for so many industries. They are relatively unaffected by heat or cold, steam, water, changes in temperature or any of the usual causes of conveyor belt trouble. They are flexible, porous, easily cleansed, immersible, heat-resistant.

One-Way Weave



One-Way Weave Belt (illustrated above) is so named because the spiral loops of the mesh all incline in the same angular direction. Twisting out a wire at any point will disconnect and permit the removal of any length for "taking up" the belt. In the same manner additional lengths may be added quickly at any time.

Right-and-Left-Hand Alternating

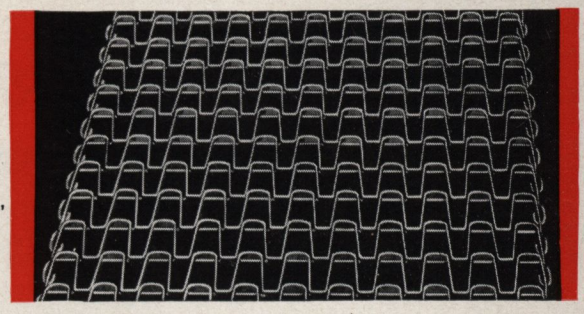


Right-and-Left Alternating Chain Link Belt is so woven that a section of Right-Hand direction spirals is joined to and followed by the same length section of Left-Hand direction spirals. This regular alternation continues throughout the entire length of the belt. The general result is that the belt travels in a true, straight line.

Flat Strip Belt

In the conveying of certain products and materials Cyclone Flat-Strip Metal Belt is more suitable than belts of the Chain Link type. Its smooth "table top" surface is particularly desirable for many uses! Flat-Strip Metal Belt is widely used in the Canning, Packing, and Food Production industries. It is a flexible belt with an open mesh especially adapted for handling products through washing, cooking, steaming, baking, cooling, drying and annealing processes. Flat-Strip Belt is also successfully used for sorting, assembling and numerous other operations, and general package conveying.

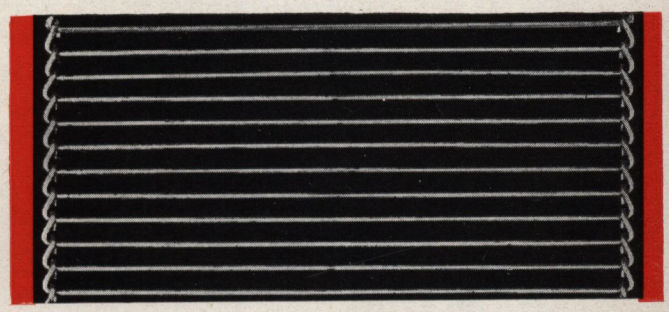
Made in 1"x1" ½"x1" and ½"x½" Mesh



Cyclone Flat-Strip Metal Conveyor Belt has the following outstanding features: (1) Operates smoothly—has no side-creep (2) May be shortened or lengthened at any time (3) Worn sections are easily replaced (4) Endless—any length necessary (5) Easily cleaned (6) Smoothly rounded ends of pickets have no sharp points—will not scratch or damage cans (7) Round steel cross wires increase strength of belt.

Flex- Grid Belt

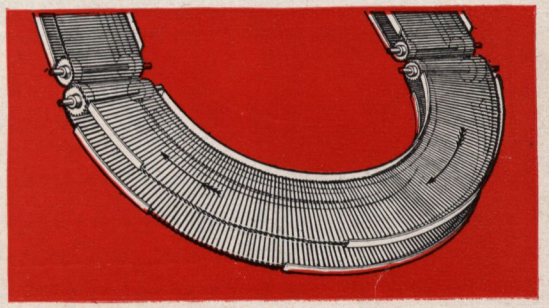
Flex-Grid Belt provides a new medium for conveying a wide variety of products. It is easily cleaned because particles do not cling readily to the smooth, round parallel wires. Flex-Grid is recommended for continuous processing of Baked Boods and Confections. Cyclone Flex-Grid Belt will operate satisfactorily on sprockets of



half-inch pitch with pitch diame ters of 2 inches or larger. Because of its ability to operate efficiently on small diameter sprockets, this belt is particularly adaptable for use in deck type conveyors. Multiple deck conveyors can be used without constructing units of unusual height.

Multi-Pitch for Turntable Operations

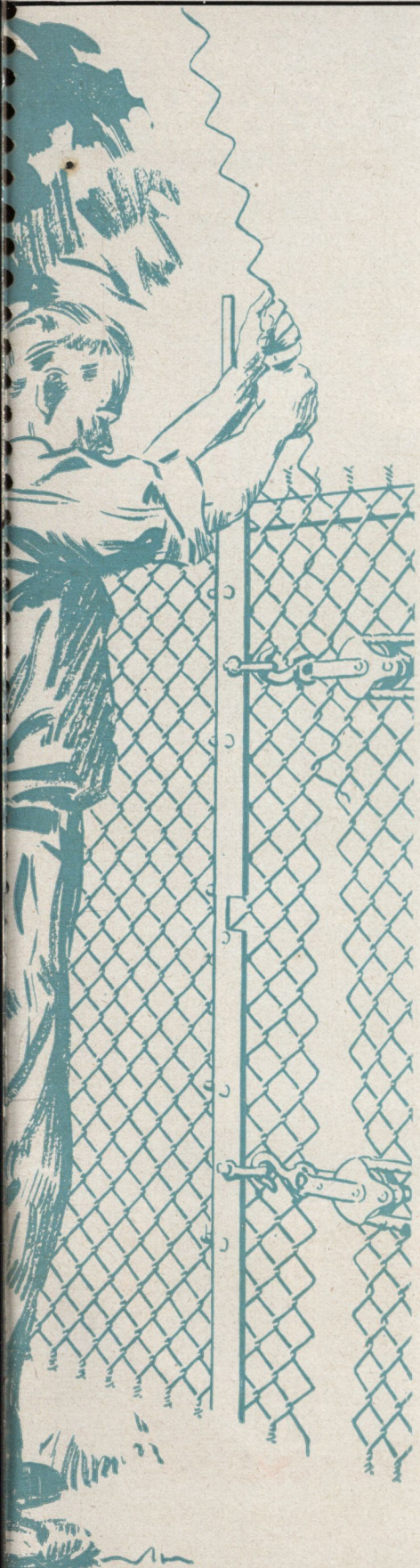
Flex-Grid Belt is also furnished in a design capable of operating, on either a 180-degree or 90-degree return or less, as desired. This is a most satisfactory style of belt for turntable operation, as the use of sprockets permits a positive drive, free from slippage and belt stretch. The illustration below shows how Flex-Grid Belt is constructed for turntable operation.



We will gladly send our Complete Conveyor Belt Catalog--Ask for it!

THE CYCLONE METHOD OF FENCING

Quality materials plus proper installation assure a satisfactory fence



We cannot too strongly emphasize the importance of the proper installation of Chain Link Fencing.

With the experience gained from nearly half a century of leadership in the industry, we recommend that you have your fence installed by one of our trained crews, every man of which has served his apprenticeship in our plant and knows exactly each move necessary to accomplish a perfect job in the shortest length of time. It has not been enough for us to make this strong durable fence and to perfect the galvanized after weaving process. It has not been enough for us to see that all fittings are full size and hot dipped galvanized nor to see that every part is made in our own plant not bought from other sources.

We have not been satisfied with the complete control of raw materials and manufacture with continual improvement of design and specification but have gone even farther to assure the customers who wish it a national installation service.

Because of its resources and recognized dependability, Cyclone Fence Division maintains as an adjunct to its manufacturing operations trained erection crews with adequate tools and equipment permanently situated in strategic locations throughout the United States. With these facilities we can assure prompt and exact erection.

The men who install your Cyclone fence are trained in Cyclone Plants and directed by Cyclone on every job. There is a crew of these trained men permanently stationed near you. Warehouses, where complete stocks are kept, are located in principal trading centers throughout the country ready to supply fence anywhere on short notice.

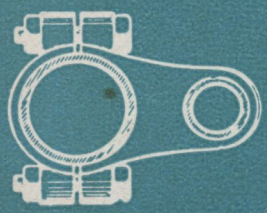
Every job is completed exactly according to specifications. Cyclone assumes complete responsibility for the finished installation. You are requested to inspect your installation and express your satisfaction before we consider the job finished.

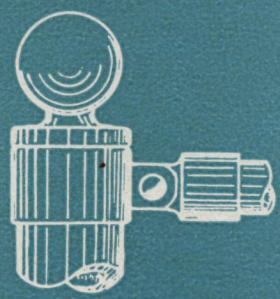
SAFEGUARD TOP FOR 2.25 "H" COLUMN SECTION LINE POST

INVINCIBLE EXTENSION ARMS FOR "H" COLUMN POST

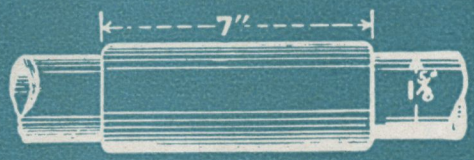
TOP FINISH OF NON-CLIMBABLE FENCE

TOP FINISH OF VICTORY FENCE



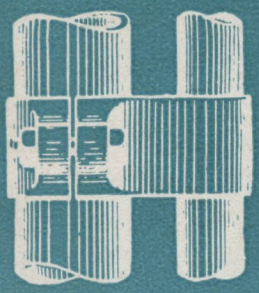


SAFEGUARD END AND GATE POST TOP WITH RAIL ATTACHMENT

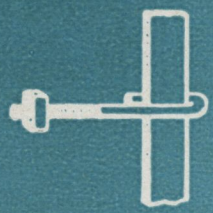


SLEEVE COUPLING FOR TOP RAIL

BAND FOR STRETCHING BARBED WIRE

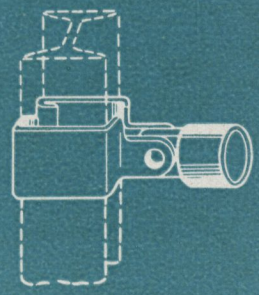


TOP GATE HINGE

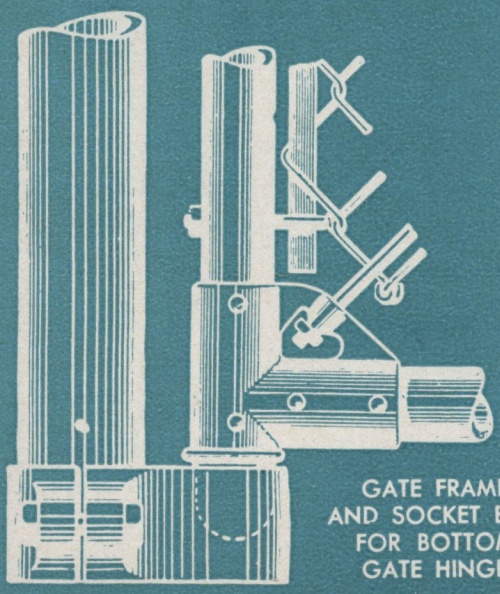


HOOK BOLT USED FOR STRETCHING FABRIC IN GATES

SAFEGUARD TOP FOR 1.875 "H" COLUMN SECTION LINE POST



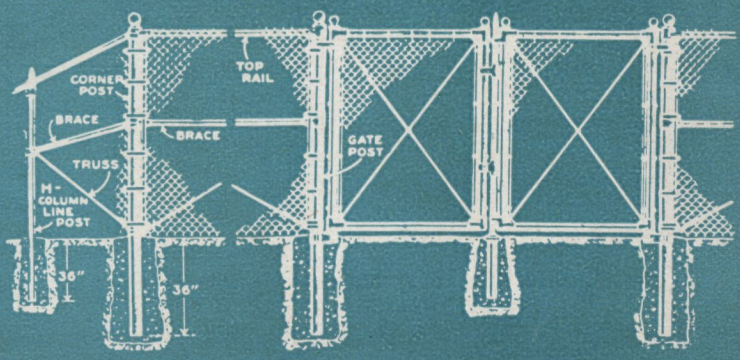
DETAIL OF CLAMP ATTACHMENT



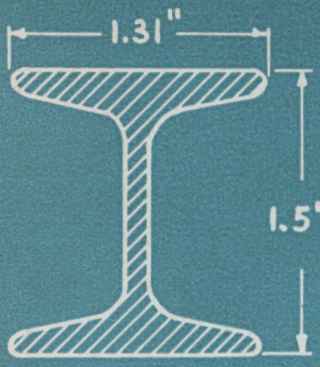
BOTTOM GATE HINGE

GATE FRAME AND SOCKET BALL FOR BOTTOM GATE HINGE

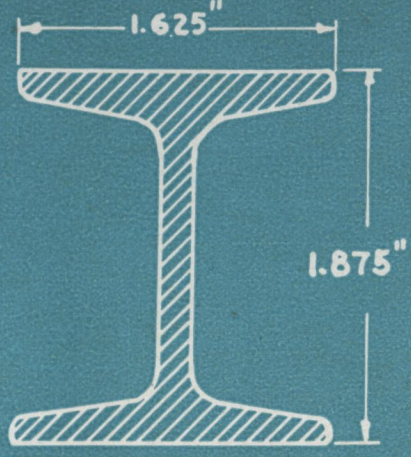
TRUSS ATTACHMENT



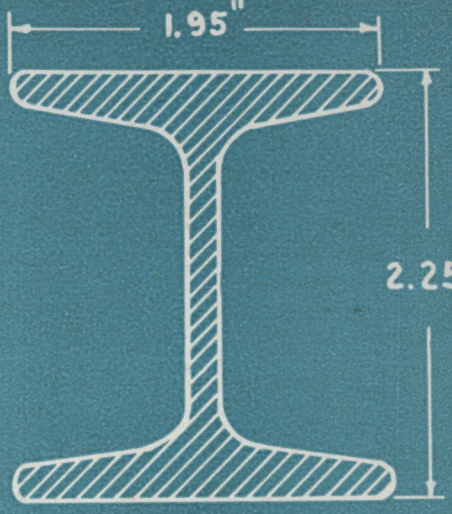
GATE CORNER AND BRACE POST CONSTRUCTION SAFEGUARD FENCE



FULL SIZE SECTION
H-COL. TOP RAIL
2.00 LBS./FT.

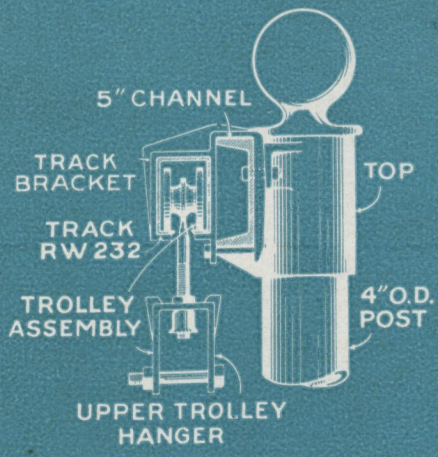


1.875
"H" COLUMN SECTION
FULL SIZE DETAIL

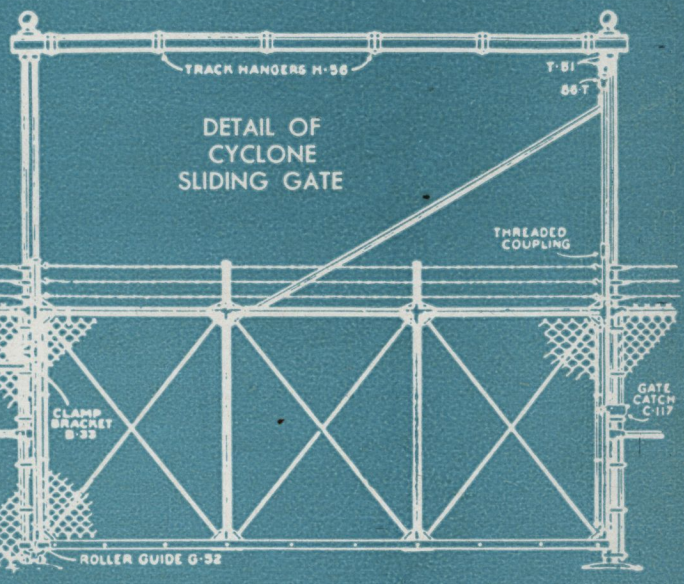


2.25
"H" COLUMN SECTION
FULL SIZE DETAIL

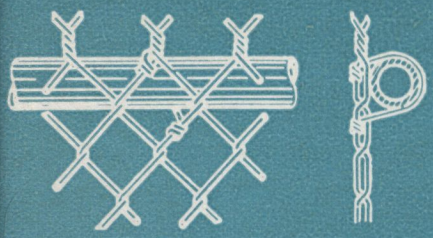
SECTION OF END
OR GATE POST



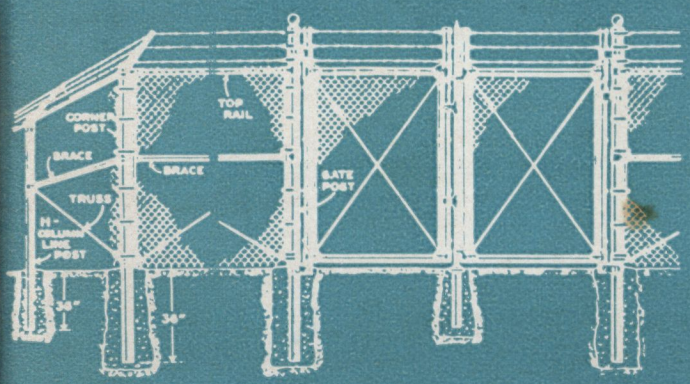
DETAIL OF TROLLEY
AND TRACK
FOR SLIDE GATES



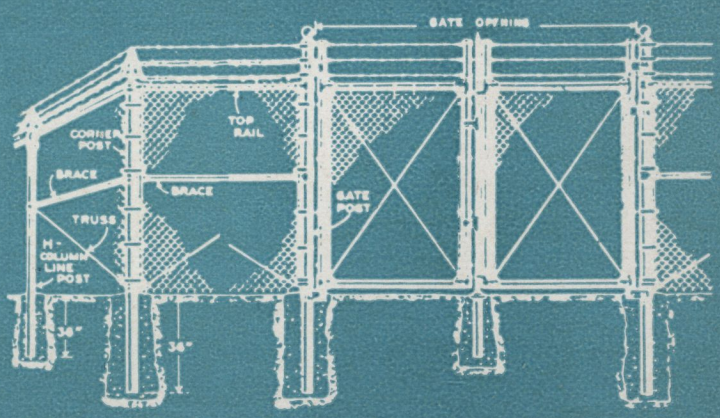
DETAIL OF
CYCLONE
SLIDING GATE



METHOD OF TYING FABRIC
TO RAIL

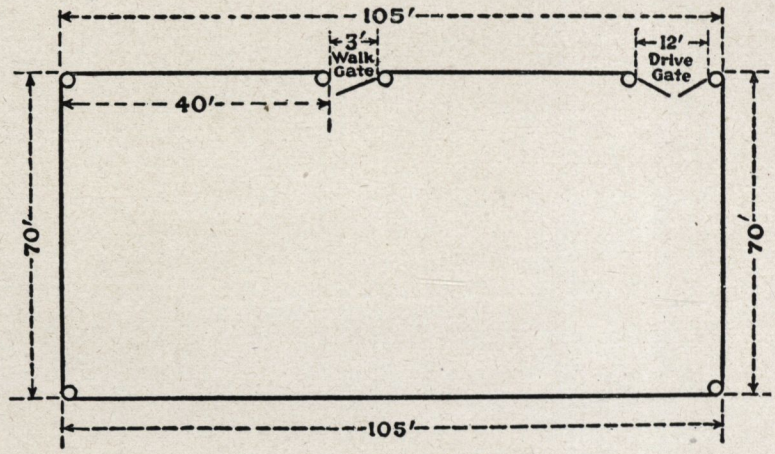


GATE CORNER AND BRACE POST CONSTRUCTION
INVINCIBLE FENCE



GATE CORNER AND BRACE POST CONSTRUCTION
NON-CLIMBABLE FENCE

INFORMATION REQUIRED



Sample Diagram Fig. No. 1

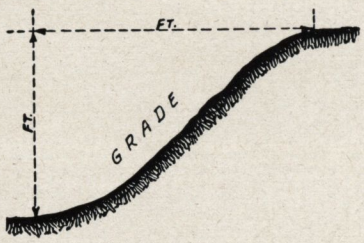


Fig. No. 2

IN CASE you wish to correspond with us regarding proposed fencing for your property, it will be very helpful if you will furnish a diagram as indicated by Fig. No. 1. Indicate the fence by straight lines, and the gates by openings. Indicate end, corner and gate posts thus: "O". Give width of gate openings. For drive gates, state whether single or double gates are wanted. Give exact measurement of each stretch of fence, and total measurements, including gate openings. Use care to see that all measurements are correct, as the fence will be estimated or made up according to the diagram sent us.

Mention height and style of fence. If fence is to be built on wall or curb, give full details. State whether wall or curb is built, or will be built when fence is erected, in order that posts of proper length can be furnished. State height and width, also material of which wall is constructed. Specify whether gates shall be height of fence only, or total height of fence plus the height of wall or curb.

Cyclone Fence will conform to any ordinary grade. If grade is extreme, it should be shown as indicated by diagram, Fig. No. 2.

If you prefer, a Cyclone representative will measure your property and compile all data necessary for building and installing your fence.

CYCLONE FENCE DIVISION

(American Steel and Wire Company)

General Offices: **Waukegan, Ill.**

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101 Marietta St. Bldg.
Phone Lamar 3236

BALTIMORE, MD.
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Lexington 8221

BOSTON, MASS.
360 Eastern Ave.
(Malden)
Malden 5-9240

BUFFALO, N. Y.
424 Main St.
Cleveland 1060

CHARLOTTE, N. C.
121 E. Third St.
Phone 3-8696

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P. O. Box 636
Sheldrake 8040
and
1212 So. Oak Park Ave.
Berwyn, Ill.
Phone: ROCkwell 7514

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1503 Union Trust Bldg.
Phone Cherry 4624

CLEVELAND, OHIO
Hamilton Ave. and
Marquette Rd.
Endicott 1230

COLUMBUS, OHIO
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Le Veque—Lincoln Tower
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DALLAS, TEXAS
Cedar Springs at Akard St.
Riverside 5223

DETROIT, MICH.
Room 303 C.P.A. Bldg.
Cadillac 3880

FORT-WORTH, TEXAS
1316 E. Lancaster
Phone 3—4371

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P. O. Box 489
Fresno 2-5222

GALESBURG, ILL.
P. O. Box 667
Main 6208

GREEN BAY, WISC.
123 So. Webster Ave.
Howard 5286

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183 Ann St.
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HOUSTON, TEXAS
6513 So. Main St.
Phone Keystone 3—1613

INDIANAPOLIS, IND.
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Broadway 5441

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Phone 3-6881

JACKSONVILLE, FLA.
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Phone 4-3295

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Columbia Bank Bldg.
Phone Grand 2050

LOS ANGELES, CALIF.
5532 San Fernando Rd.
Glendale, Calif.
Phone Chapman 5—2635

LOUISVILLE, KY.
533 So. Fifth St.
Wabash 3235

MEMPHIS, TENN.
701 Exchange Bldg.
Phone 37-1888

MIAMI, FLA.
27 W. Flagler St.
Phone 3—5421

MILWAUKEE, WIS.
733 N. Van Buren St.
Phone Daly 6264

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476 Jericho Turnpike
Garden City 5854

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Room 1371 W
First Nat'l Bank Bldg.
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St. Paul—Cedar 0505

NEWARK, N. J.
796 Frelinghuysen Ave.
Bigelow 8—2600

NEW ORLEANS, LA.
510 Carondelet St.
Magnolia 1160

NEW YORK CITY
Room 908
370 Lexington Ave.
Lexington 2—9646

OAKLAND, CALIF.
60th and Lowell Sts.
Olympic 2-2060

OKLAHOMA CITY, OKLA.
Grand & Western Aves.
Phone 7—3963

OMAHA, NEBR.
P. O. Box 402

PHILADELPHIA, PA.
247 N. Third St.
Lombard 3-9950

PHOENIX, ARIZ.
122 W. Washington St.
Phoenix 4-9535

PITTSBURGH, PA.
4767 Baum Blvd.
Schenley 2460

PORTLAND, OREGON
400 N. E. 11th Ave.
East 8105

PROVIDENCE, R. I.
420 Industrial Bldg.
Phone Jackson 6884

RICHMOND, VA.
807 W. Franklin St.
Phone Richmond 6—2859

ST. LOUIS, MO.
1221 Locust St.
Main 2032

ST. PAUL, MINN.
Room 1371
First Natl. Bank Bldg.
Phones:
St. Paul—Cedar 0505
Minneapolis—Nestor 1885

SAN DIEGO, CALIF.
517 Broadway Bldg.
Franklyn 7376

SAN FRANCISCO, CALIF.
440 Bayshore Blvd.
Valencia 4-1575

SAN JOSE, CALIF.
40 W. San Antonio St.
Columbia 9614

SAVANNAH, GA.
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Phone 2—0290

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1936 First Ave. S.
Main 8164

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226 Ward Bldg.
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663 Spitzer Building
Phone Garfield 0556

TULSA, OKLA.
So. Harvard at 13th
Phone 6—5155

WASHINGTON, D. C.
Room 812
Albee Bldg.
Phone District 0468

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Phone Majestic 170

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348 N. St. Francis St.
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